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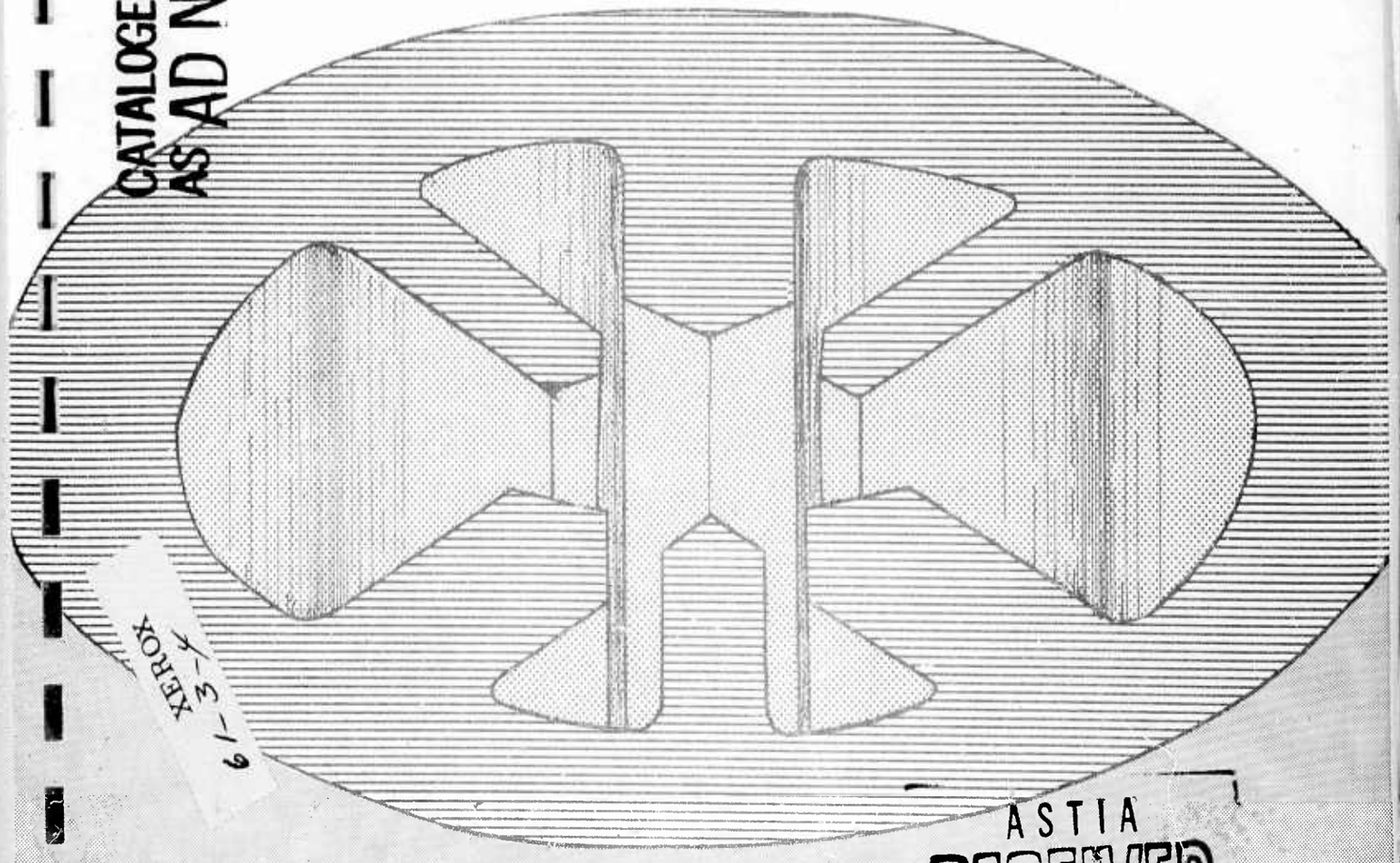
MODIFIED WAGON WHEEL

GRAIN DESIGN

$W_1 > W_2 > W_3$



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ROHM & HAAS COMPANY

REDSTONE ARSENAL RESEARCH DIVISION
HUNTSVILLE, ALABAMA

REPORT NO. S-30

THE MODIFIED WAGON WHEEL GRAIN DESIGN

$w_1 > w_2 > w_3$

By

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ROHM & HAAS COMPANY

REDSTONE ARSENAL RESEARCH DIVISION
HUNTSVILLE, ALABAMA

ABSTRACT

A modification of the wagon wheel grain design is considered in which short spears or spokes of propellant alternate with longer ones, and in which three different webs give rise to a three-level surface-time history.

There are six possible combinations of these webs under the limitation that the outer web must always be equal to or greater than either of the other two. This report discusses the analysis for the case where $w_1 > w_2 > w_3$, and presents tabulated data resulting from the solution for a wide range of parameters of the equations which characterize the design.

THE MODIFIED WAGON WHEEL DESIGN

$w_1 > w_2 > w_3$

INTRODUCTION

The equations which characterize the modified wagon wheel grain design were reported[1] a few years ago. They were programmed for an IBM 704 computer and a series of calculations was made; however, a rather small number of valid answers was received for a wide range of input values. It was felt that there was an error in the computer program, but because of the low priority assigned to the project it was put aside. Much later it was determined that the trouble really was in the interpretation of the results, in that the equations are very sensitive to small changes in the parameters that were being varied and the increments chosen were large enough to obscure most of the valid solutions. This was discovered when part of the problem was re-programmed for a small computer, the LGP-30. At the same time it became apparent that there was not a suitable way to present all the necessary data about each configuration in graphical form, as had been done with the star and wagonwheel[2,3], and more recently with the slotted-tube design.[4] This report, and similar ones to follow, result from the decision to use the LGP-30 to calculate a complete set of configurations, print the answers, and photographically reproduce the sheets of printed data. Although lacking the continuity and some of the convenience of graphical presentation, it is more accurate and much more complete in its present form.

NOMENCLATURE

The terms that are used in the discussion and in the equations are defined below, and most are represented on the drawings which follow the text of the report.

N = number of long spokes, or spears of propellant, or the number of short spokes, but not the sum of both.

D = outside diameter of the grain; also the inside diameter of the motor for case-bond grain.

w_1 = major web, or shortest burning distance to the outside.

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[1] M. W. Stone, "A Practical Mathematical Approach to Grain Design," Jet Propulsion, Vol. 28, No. 4 (April 1958), pp 236-244.

[2] Rohm & Haas Co. Quarterly Progress Report on Interior Ballistics, Rept. No. P-55-15, July 1955, Conf.

[3] Ibid, Report No. P-56-1, February 10, 1961, Conf.

[4] M. W. Stone, "The Slotted Tube Grain Design," Rohm & Haas Company Rept. No. S-27, December 23, 1960.

w_2 = one-half the thickness of the short spoke.

w_3 = one-half the thickness of the long spoke.

r = radius of stress relief fillets.

β = π/N

PR_i = progressivity ratio
= propellant surface area at end of interval / propellant surface area at beginning of interval

ϵ = loading fraction = cross-sectional area of propellant / cross-sectional area of motor

SF = sliver fraction
= cross-sectional area of unburned propellant at major web burnout / cross-sectional area of motor

DISCUSSION

The configuration described in this report is a modification of the wagonwheel design in which two major changes are considered. One is the use of alternately long and short spokes, or spears of propellant; and the other is the designation of three different webs, resulting in three levels of thrust via three different levels of surface area during the course of burning. This report is confined to the case where $w_1 > w_2 > w_3$; subsequent reports will consider the other combinations of webs, e.g., $w_1 > w_2 = w_3$.

The equations by which the data in this report were obtained derive directly from the geometrical relationships evident in Fig. 3 and from the ballistic definitions found in the section titled "Nomenclature." Proceeding in a logical order, the equations may be written as follows for the angles.

$$\alpha = \beta - \arcsin \frac{r+w_3}{\frac{D}{2} - r - w_1} \tag{1}$$

$$\gamma = \arcsin \frac{r+w_2}{\frac{D}{2} - r - w_1} \tag{2}$$

$$\theta = 90^\circ + \beta - \alpha \tag{3}$$

$$\phi = 90^\circ + \gamma \tag{4}$$

The length of K, the side of the short spear, can be represented by Eq. 5.

$$K = L - m + \frac{r+w_2}{\tan \gamma} - \frac{w_2 - w_3}{\tan \beta} - \frac{r+w_3}{\tan (\beta - \alpha)} \tag{5}$$

The length of L, the side of the long spear, can be found from the progressivity ratio equation because it is more practical to specify PR than L. However, such a course may give rise to impossible values of L, i.e., negative values or values so large that the long spear would pass through the center of the motor and "overlap" other spears. It is necessary to define maximum and minimum values for L in terms of the problem parameters. The maximum value occurs when z (see Fig. 3) is zero, the minimum value when K is zero. These criteria may be translated into the following equations:

$$L_{max} = \frac{r+w_3}{\tan(\beta - \alpha)} - \frac{w_3}{\tan\beta} \tag{6}$$

$$L_{min} = m + \frac{w_2 - w_3}{\tan\beta} + \frac{r+w_3}{\tan(\beta - \alpha)} - \frac{r+w_2}{\tan\gamma} \tag{7}$$

Progressivity ratio is usually defined as the ratio of final to initial surface. In a multistep trace, such as this grain will produce (see Fig. 2), the foregoing definition is inadequate and meaningless. A separate PR must be computed for each step, as follows (again refer to Fig. 2):

$$PRa = \frac{\text{surface at A}}{\text{initial surface}} \tag{8}$$

$$PRb = \frac{\text{surface at B}}{\text{surface at AB}} \tag{9}$$

$$PRc = \frac{\text{final surface}}{\text{surface at BF}} \tag{10}$$

Equation 8 will be used to define L, with all other parameters set; therefore, the remaining surfaces and thence PRb and PRc can be calculated. A more detailed equation for PRa is

$$PRa = \frac{2N}{S_i}\left[K+L-2m+\frac{w_2-w_3}{\sin\beta} + (r+w_3)(\theta+\phi) + \frac{2w_3}{\tan\beta} + \left(\frac{D}{2} - w_1+w_3\right)(\alpha-\gamma)\right] \tag{11}$$

where

$$S_i = 2N\left[m+n+K+L+r(\theta+\phi) + \left(\frac{D}{2} - w_1\right)(\alpha-\gamma)\right] \tag{12}$$

After Eq. 11 has been solved for L, then surface AB can be found from Eq. 13.

$$\text{Surface AB} = 2N\left[K + \frac{w_2 - w_3}{\sin\beta} - m + \frac{w_3}{\tan\beta} + (r+w_3)(\theta+\phi) + \left(\frac{D}{2} - w_1 + w_3\right)(\alpha-\gamma)\right] \quad (13)$$

And the other surfaces are

$$\text{Surface B} = 2N\left[K - n + \frac{w_2}{\tan\beta} + (r+w_2)(\theta+\phi-\Psi) + \left(\frac{D}{2} - w_1 + w_2\right)(\alpha-\gamma)\right] \quad (14)$$

where
$$\Psi = \arctan\frac{\sqrt{(r+w_2)^2 - (r+w_3)^2}}{r+w_3} \quad (15)$$

$$\text{Surface BF} = 2N\left[(r+w_2)(\theta+\phi-\Psi) + \left(\frac{D}{2} - w_1 + w_2\right)(\alpha-\gamma)\right] \quad (16)$$

and
$$S_f = 2N\left[\frac{D}{2}(\alpha-\gamma) + (r+w_1)(\lambda+\mu)\right] \quad (17)$$

where
$$\lambda = \phi - \arccos\frac{r+w_2}{r+w_1} \quad (18)$$

and
$$\mu = \theta - \arccos\frac{r+w_3}{r+w_1} \quad (19)$$

In looking at Fig. 1 and observing how burning would progress as the surface recedes in parallel layers, one notes that a special situation may arise when the short spear is very short, i.e., K is close to zero. Such a case is shown in Fig. 4, where it is seen that K disappears completely before w_2 burns out (it may even happen before w_3 burns out) and the propellant surface in that region is no longer correctly identified by the equations previously presented. Not only has the straight side of the short spear disappeared, but the angle ϕ has been diminished by the angle ζ.

In computing specific solutions for this design, each must be checked for the above condition, and appropriate changes made if it exists. The checking and correction may be accomplished as follows:

Calculate surface AB, then test if

$$w_3 > K\tan\frac{180^\circ - \beta}{2} \quad (20)$$

If not, no correction is required. If w_3 is larger, however, subtract from surface A the following quantity:

$$2N\left[(r+w)\zeta + K + \frac{w_3}{\tan\beta} - m\right] \tag{21}$$

where ζ is found by iteration from

$$\sin\zeta + (\cos\zeta)\tan(90^\circ - \beta) = \frac{\frac{w_3}{\sin\beta} - K + r\tan(90^\circ - \beta)}{r + w_3} \tag{22}$$

Now PRa must be recalculated from the corrected surface A and the original S_i. (Originally PRa was chosen and L was the dependent variable; now the correction must extend all the way back to PRa.)

When a correction is requried for surfaces A and AB, then one will also be required for surfaces B and BF. If no correction were applied for w_3, however, there is still the possibility that one will be needed when w_2 burns out. The test is, similarly,

$$w_2 > K\tan\frac{180^\circ - \beta}{2} \tag{23}$$

If w_2 is greater, use Eq. 22 to calculate ζ, substituting w_2 for w_3. Now, surfaces B and BF will be equal to each other and may be calculated by Eq. 24.

$$SB = SBF = (r+w_2)(\phi + \theta + \psi - \zeta) + \left(\frac{D}{2} - w_1 + w_2\right)(\alpha - \gamma) \tag{24}$$

Equation 24 is also used when it is unnecessary to test w_2 because w_3 has previously met the test.

This means that there is no step-down in the surface time history when w_2 burns out, resulting in a two-level trace. Such cases are shown on the data sheets by the printing of "Two-Level Thrust" following the case.

Equation 17 is still considered to be valid for final surface.

SUMMARY

The data which follow were computed on the LGP-30 digital computer. Identifying symbols are printed before each number for convenience. An attempt was made to vary the parameters w_1, w_2, w_3, PRa, and N over a sufficiently wide range to cover the cases of practical interest. The increment sizes for the webs and PRa are small to permit adequate coverage. The stress relief radius r was chosen to be 0.03 D in., the same as that used previously in star, wagon wheel and slotted tube work.

ACKNOWLEDGEMENT

Mrs. Mary Lou Cagle programmed the equations and computed the data on the LGP-30 computer.

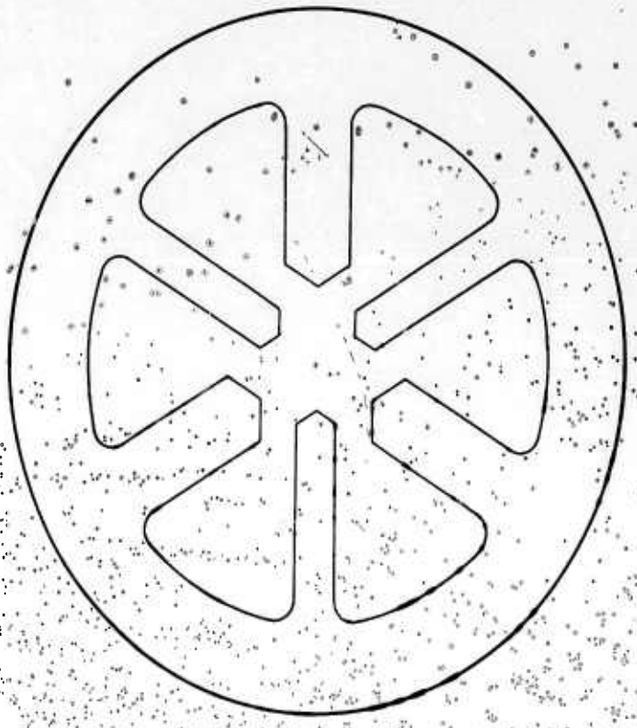

Fig. 1 Modified wagon wheel design, $w_1 > w_2 > w_3$

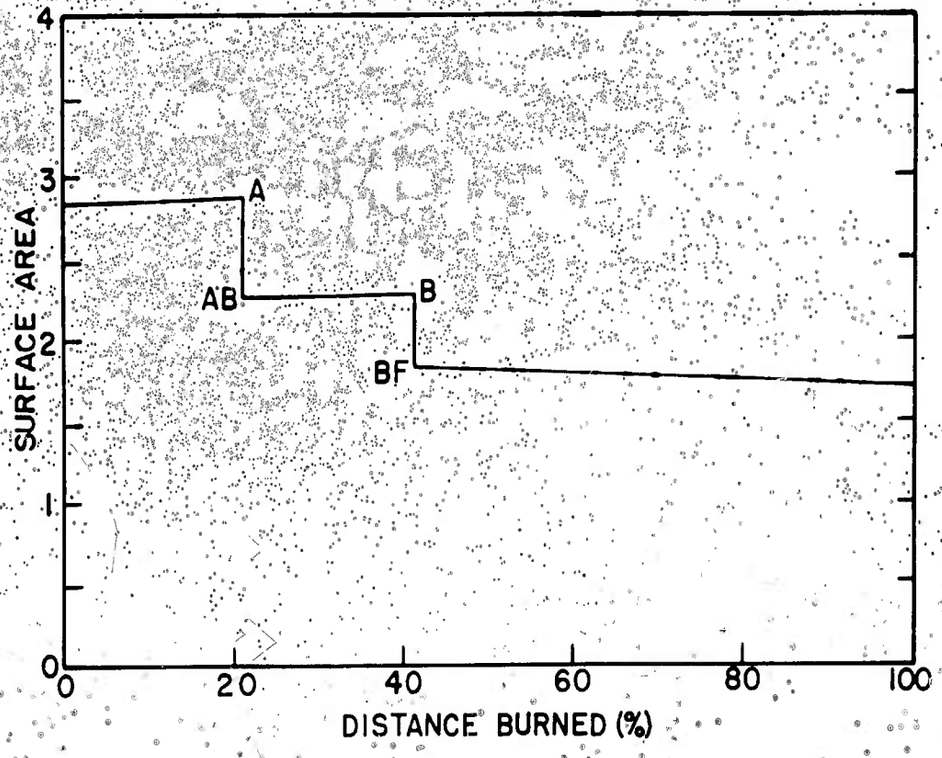

Fig. 2 Three-step surface-time trace.

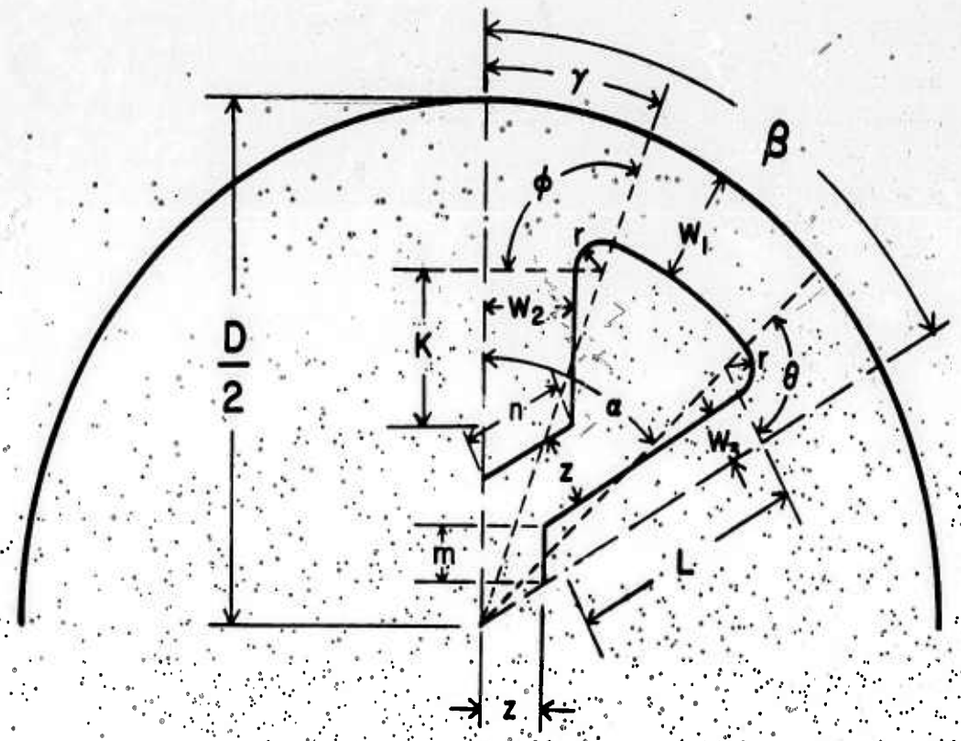

Fig. 3 Sector of modified wagon wheel design, $w_1 > w_2 > w_3$

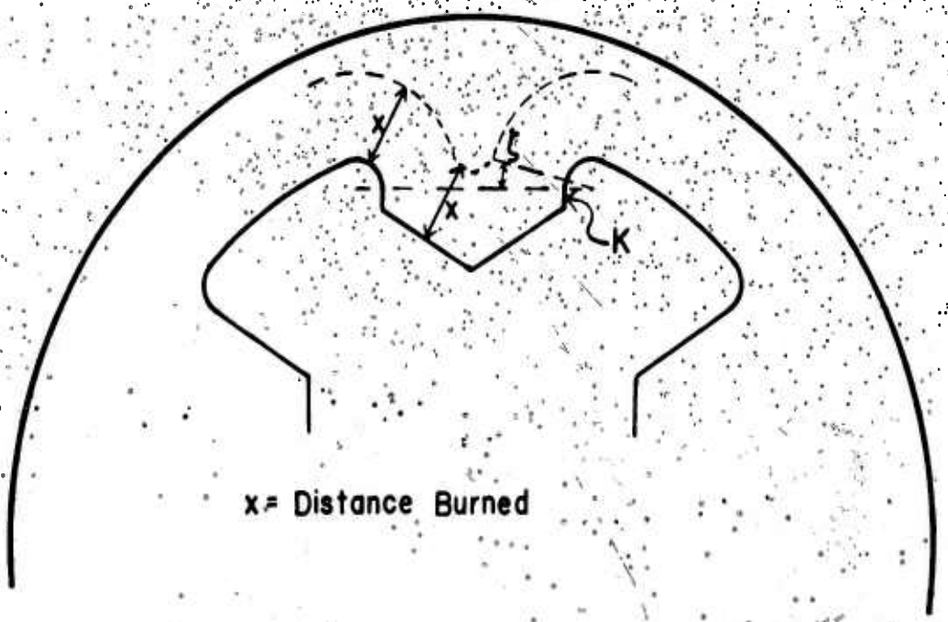

Fig. 4 Special case when K is small

N	2.0000000	w1	.0600000	w2	.0400000	w3	.0200000	SF	.0071287	LFr	.3446140
PRA	1.0100000	PRB	.9999866	PRC	.9987252	L	.3614159	min	.0229831	max	.4069856
Si	5.699114	SAB	4.390442	Sf	3.192577	K	.3384328	z	.0455697	m	.0200000
n	.0400000	gam	9.830318	b-al	7.004632	the	97.004655	phi	99.830342		
N	2.0000000	w1	.0800000	w2	.0400000	w3	.0200000	SF	.0062742	LFr	.4183197
PRA	1.0100000	PRB	.9999864	PRC	1.0325178	L	.3772259	min	.0231368	max	.3868222
Si	5.699115	SAB	4.327203	Sf	3.170644	K	.3540891	z	.0095964	m	.0200000
n	.0400000	gam	10.339847	b-al	7.365781	the	97.365804	phi	100.33987		
N	2.0000000	w1	.0800000	w2	.0500000	w3	.0200000	SF	.0086441	LFr	.4385490
PRA	1.0100000	PRB	1.0089935	PRC	1.0113468	L	.3783035	min	.0251025	max	.3868222
Si	5.699111	SAB	4.322888	Sf	3.184693	K	.3532011	z	.0085187	m	.0200000
n	.0500000	gam	11.836985	b-al	7.365781	the	97.365804	phi	101.83701		
N	2.0000000	w1	.0800000	w2	.0500000	w3	.0300000	SF	.0098600	LFr	.3867874
PRA	1.0200000	PRB	.9961002	PRC	1.0084154	L	.2045384	min	.0336650	max	.3853848
Si	4.274334	SAB	3.661668	Sf	3.190520	K	.1708733	z	.1808464	m	.0300000
n	.0500000	gam	11.836985	b-al	8.849800	the	98.849823	phi	101.83701		
N	2.0000000	w1	.0800000	w2	.0600000	w3	.0200000	SF	.0118017	LFr	.4588909
PRA	1.0100000	PRB	1.0186542	PRC	.9929957	L	.3795414	min	.0273326	max	.3868222
Si	5.699113	SAB	4.317939	Sf	3.207030	K	.3522088	z	.0072809	m	.0200000
n	.0600000	gam	13.342119	b-al	7.365781	the	97.365804	phi	103.34214		
N	2.0000000	w1	.0800000	w2	.0600000	w3	.0300000	SF	.0130177	LFr	.3979054
PRA	1.0200000	PRB	1.0062088	PRC	.9916538	L	.2057743	min	.0358952	max	.3853848
Si	4.274321	SAB	3.656710	Sf	3.212857	K	.1698791	z	.1796105	m	.0300000
n	.0600000	gam	13.342119	b-al	8.849800	the	98.849823	phi	103.34214		
N	2.0000000	w1	.0800000	w2	.0600000	w3	.0400000	SF	.0146656	LFr	.3797951
PRA	1.0300000	PRB	.9920221	PRC	.9891038	L	.1506310	min	.0441956	max	.3836852
Si	3.799403	SAB	3.470861	Sf	3.221936	K	.1064354	z	.2330543	m	.0400000
n	.0600000	gam	13.342119	b-al	10.339847	the	100.33987	phi	103.34214		
N	2.0000000	w1	.1000000	w2	.0400000	w3	.0200000	SF	.0058251	LFr	.3799934
PRA	1.0199759	PRB	.9990553	PRC	1.1141869	L	.0368538	min	.0233078	max	.3666417
Si	2.849557	SAB	2.839065	Sf	3.160260	K	.0135460	z	.3297879	m	.0200000
n	.0400000	gam	10.905430	b-al	7.766312	the	97.766335	phi	100.90545	2-LEVEL THRUST	
N	2.0000000	w1	.1000000	w2	.0500000	w3	.0200000	SF	.0079794	LFr	.3829193
PRA	1.0199633	PRB	1.0116164	PRC	1.1049931	L	.0379963	min	.0253835	max	.3666417
Si	2.849544	SAB	2.834445	Sf	3.168426	K	.0126129	z	.3286454	m	.0200000
n	.0500000	gam	12.486886	b-al	7.766312	the	97.766335	phi	102.48691	2-LEVEL THRUST	
N	2.0000000	w1	.1000000	w2	.0500000	w3	.0300000	SF	.0091066	LFr	.4589825
PRA	1.0200000	PRB	.9960315	PRC	1.0442020	L	.2203941	min	.0338683	max	.3651266
Si	4.274336	SAB	3.598246	Sf	3.172143	K	.1865258	z	.1447324	m	.0300000
n	.0500000	gam	12.486886	b-al	9.332330	the	99.332353	phi	102.48691		
N	2.0000000	w1	.1000000	w2	.0500000	w3	.0300000	SF	.0091066	LFr	.3864193
PRA	1.0293079	PRB	.9927612	PRC	1.1079744	L	.0422974	min	.0338683	max	.3651266
Si	2.849562	SAB	2.883887	Sf	3.172143	K	.0084290	z	.3228292	m	.0300000
n	.0500000	gam	12.486886	b-al	9.332330	the	99.332353	phi	102.48691	2-LEVEL THRUST	
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PRA	1.0199445	PRB	1.0247008	PRC	1.0970166	L	.0393124	min	.0277396	max	.3666417
Si	2.849555	SAB	2.829138	Sf	3.180273	K	.0115727	z	.3273293	m	.0200000
n	.0600000	gam	14.077758	b-al	7.766312	the	97.766335	phi	104.07778	2-LEVEL THRUST	
N	2.0000000	w1	.1000000	w2	.0600000	w3	.0300000	SF	.0119219	LFr	.4709540
PRA	1.0200000	PRB	1.0063189	PRC	1.0225571	L	.2217083	min	.0362245	max	.3651266
Si	4.274331	SAB	3.592984	Sf	3.183990	K	.1854838	z	.1434183	m	.0300000
n	.0600000	gam	14.077758	b-al	9.332330	the	99.332353	phi	104.07778		

N	2.0000000	w1	.1000000	w2	.0600000	w3	.0300000	SF	.0119219	LFr	.3893204
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Si	2.849557	SAB	2.878310	Sf	3.183990	K	.0073870	z	.3215150	m	.0300000
n	.0600000	gam	14.077758	b-al	9.332330	the	99.332353	phi	104.07778	2-LEVEL THRUST	
N	2.0000000	w1	.1000000	w2	.0600000	w3	.0400000	SF	.0134344	LFr	.4537029
PRA	1.0300000	PRB	.9918733	PRC	1.0186363	L	.1665249	min	.0444315	max	.3633335
Si	3.799401	SAB	3.407284	Sf	3.189575	K	.1220934	z	.1968086	m	.0400000
n	.0600000	gam	14.077758	b-al	10.905430	the	100.90545	phi	104.07778		
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n	.0600000	gam	14.077758	b-al	10.905430	the	100.90545	phi	104.07778	2-LEVEL THRUST	
N	2.0000000	w1	.1000000	w2	.0700000	w3	.0200000	SF	.0144186	LFr	.3891640
PRA	1.0199174	PRB	1.0378504	PRC	1.0913749	L	.0408173	min	.0304006	max	.3666417
Si	2.849560	SAB	2.823047	Sf	3.197619	K	.0104167	z	.3258244	m	.0200000
n	.0700000	gam	15.680121	b-al	7.766312	the	97.766335	phi	105.68014	2-LEVEL THRUST	
N	2.0000000	w1	.1000000	w2	.0700000	w3	.0300000	SF	.0155459	LFr	.4830847
PRA	1.0200000	PRB	1.0175816	PRC	1.0026977	L	.2232132	min	.0388855	max	.3651266
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n	.0700000	gam	15.680121	b-al	10.905430	the	100.90545	phi	105.68014	2-LEVEL THRUST	
N	2.0000000	w1	.1000000	w2	.0700000	w3	.0500000	SF	.0192576	LFr	.5458570
PRA	1.0300000	PRB	.9897140	PRC	.9970010	L	.2908287	min	.0550170	max	.3612581
Si	4.749249	SAB	3.928412	Sf	3.215087	K	.2358117	z	.0704294	m	.0500000
n	.0700000	gam	15.680121	b-al	12.486886	the	102.48691	phi	105.68014		
N	2.0000000	w1	.1000000	w2	.0700000	w3	.0500000	SF	.0192576	LFr	.4551640
PRA	1.0400000	PRB	.9878829	PRC	.9970010	L	.1424160	min	.0550170	max	.3612581
Si	3.561947	SAB	3.334761	Sf	3.215087	K	.0873990	z	.2188421	m	.0500000
n	.0700000	gam	15.680121	b-al	12.486886	the	102.48691	phi	105.68014		
N	2.0000000	w1	.1000000	w2	.0800000	w3	.0200000	SF	.0190106	LFr	.3925295
PRA	1.0198791	PRB	1.0508731	PRC	1.0894264	L	.0425129	min	.0333628	max	.3666417
Si	2.849559	SAB	2.816154	Sf	3.224070	K	.0091501	z	.3241288	m	.0200000
n	.0800000	gam	17.295137	b-al	7.766312	the	97.766335	phi	107.29516	2-LEVEL THRUST	
N	2.0000000	w1	.1000000	w2	.0800000	w3	.0300000	SF	.0201378	LFr	.4953928
PRA	1.0200000	PRB	1.0293788	PRC	.9861491	L	.2249088	min	.0418477	max	.3651266
Si	4.274335	SAB	3.580186	Sf	3.227787	K	.1830612	z	.1402177	m	.0300000
n	.0800000	gam	17.295137	b-al	9.332330	the	99.332353	phi	107.29516		
N	2.0000000	w1	.1000000	w2	.0800000	w3	.0300000	SF	.0201378	LFr	.3956175
PRA	1.0288921	PRB	1.0272916	PRC	1.0968367	L	.0468102	min	.0418477	max	.3651266
Si	2.849545	SAB	2.864634	Sf	3.227787	K	.0049625	z	.3183164	m	.0300000
n	.0800000	gam	17.295137	b-al	9.332330	the	99.332353	phi	107.29516	2-LEVEL THRUST	

N	2.0000000	w1	.1000000	w2	.0800000	w3	.0400000	SF	.0216494	LFr	.4718485
PRA	1.0300000	PRB	1.0136500	PRC	.9851422	L	.1697254	min	.0500547	max	.3633335
Si	3.799405	SAB	3.394486	Sf	3.233372	K	.1196708	z	.1936081	m	.0400000
n	.0800000	gam	17.295137	b-al	10.905430	the	100.90545	phi	107.29516		
N	2.0000000	w1	.1000000	w2	.0800000	w3	.0400000	SF	.0216494	LFr	.3992844
PRA	1.0366629	PRB	1.0066047	PRC	1.1038164	L	.0509930	min	.0500547	max	.3633335
Si	2.849546	SAB	2.910046	Sf	3.233372	K	.0009383	z	.3123406	m	.0400000
n	.0800000	gam	17.295137	b-al	10.905430	the	100.90545	phi	107.29516	2-LEVEL THRUST	
N	2.0000000	w1	.1000000	w2	.0800000	w3	.0500000	SF	.0238495	LFr	.5609713
PRA	1.0300000	PRB	.9981260	PRC	.9834467	L	.2925263	min	.0579792	max	.3612581
Si	4.749263	SAB	3.921536	Sf	3.241537	K	.2345470	z	.0687318	m	.0500000
n	.0800000	gam	17.295137	b-al	12.486886	the	102.48691	phi	107.29516		
N	2.0000000	w1	.1000000	w2	.0800000	w3	.0500000	SF	.0238495	LFr	.4627085
PRA	1.0400000	PRB	.9977917	PRC	.9834467	L	.1441116	min	.0579792	max	.3612581
Si	3.561946	SAB	3.327978	Sf	3.241537	K	.0861324	z	.2171465	m	.0500000
n	.0800000	gam	17.295137	b-al	12.486886	the	102.48691	phi	107.29516		
N	2.0000000	w1	.1000000	w2	.0800000	w3	.0600000	SF	.0266428	LFr	.5358153
PRA	1.0400000	PRB	.9859434	PRC	.9804305	L	.2371178	min	.0656229	max	.3589017
Si	4.274327	SAB	3.736830	Sf	3.253385	K	.1714949	z	.1217840	m	.0600000
n	.0800000	gam	17.295137	b-al	14.077758	the	104.07778	phi	107.29516		
N	2.0000000	w1	.1000000	w2	.0800000	w3	.0600000	SF	.0266428	LFr	.4596243
PRA	1.0500000	PRB	.9840680	PRC	.9989897	L	.1302605	min	.0656229	max	.3589017
Si	3.419469	SAB	3.309400	Sf	3.253385	K	.0646376	z	.2286413	m	.0600000
n	.0800000	gam	17.295137	b-al	14.077758	the	104.07778	phi	107.29516	2-LEVEL THRUST	
N	2.0000000	w1	.1200000	w2	.0400000	w3	.0200000	SF	.0056048	LFr	.4473257
PRA	1.0200000	PRB	.9999175	PRC	1.1364353	L	.0526905	min	.0234995	max	.3464411
Si	2.849545	SAB	2.775774	Sf	3.154227	K	.0291911	z	.2937506	m	.0200000
n	.0400000	gam	11.536921	b-al	8.213082	the	98.213105	phi	101.53694	2-LEVEL THRUST	
N	2.0000000	w1	.1200000	w2	.0500000	w3	.0200000	SF	.0076571	LFr	.4510946
PRA	1.0200000	PRB	1.0136296	PRC	1.1249045	L	.0539093	min	.0256976	max	.3464411
Si	2.849549	SAB	2.770903	Sf	3.159485	K	.0282118	z	.2925318	m	.0200000
n	.0500000	gam	13.212954	b-al	8.213082	the	98.213105	phi	103.21298	2-LEVEL THRUST	
N	2.0000000	w1	.1200000	w2	.0500000	w3	.0300000	SF	.0087414	LFr	.5280018
PRA	1.0200000	PRB	.9959602	PRC	1.0859346	L	.2362690	min	.0340949	max	.3448384
Si	4.274331	SAB	3.534742	Sf	3.161988	K	.2021741	z	.1085694	m	.0300000
n	.0500000	gam	13.212954	b-al	9.870816	the	99.870839	phi	103.21298		
N	2.0000000	w1	.1200000	w2	.0500000	w3	.0300000	SF	.0087414	LFr	.4554396
PRA	1.0299877	PRB	.9942788	PRC	1.1267971	L	.0581722	min	.0340949	max	.3448384
Si	2.849557	SAB	2.822320	Sf	3.161988	K	.0240773	z	.2866662	m	.0300000
n	.0500000	gam	13.212954	b-al	9.870816	the	99.870839	phi	103.21298	2-LEVEL THRUST	
N	2.0000000	w1	.1200000	w2	.0600000	w3	.0200000	SF	.0103216	LFr	.4549980
PRA	1.0200000	PRB	1.0280019	PRC	1.1140155	L	.0553131	min	.0281981	max	.3464411
Si	2.849548	SAB	2.765286	Sf	3.166833	K	.0271151	z	.2911280	m	.0200000
n	.0600000	gam	14.900327	b-al	8.213082	the	98.213105	phi	104.90035	2-LEVEL THRUST	
N	2.0000000	w1	.1200000	w2	.0600000	w3	.0300000	SF	.0114060	LFr	.5408373
PRA	1.0200000	PRB	1.0064333	PRC	1.0608588	L	.2376728	min	.0365954	max	.3448384
Si	4.274330	SAB	3.529125	Sf	3.169336	K	.2010774	z	.1071656	m	.0300000
n	.0600000	gam	14.900327	b-al	9.870816	the	99.870839	phi	104.90035		
N	2.0000000	w1	.1200000	w2	.0600000	w3	.0300000	SF	.0114060	LFr	.4592037
PRA	1.0299786	PRB	1.0064754	PRC	1.1179647	L	.0595760	min	.0365954	max	.3448384
Si	2.849556	SAB	2.816677	Sf	3.169336	K	.0229807	z	.2852624	m	.0300000
n	.0600000	gam	14.900327	b-al	9.870816	the	99.870839	phi	104.90035	2-LEVEL THRUST	

N	2.0000000	w1	.1200000	w2	.0600000	w3	.0400000	SF	.0128536	LFr	.5244494
PRA	1.0300000	PRB	.9917184	PRC	1.0559471	L	.1824474	min	.0446984	max	.3429415
Si	3.799404	SAB	3.343597	Sf	3.173026	K	.1377491	z	.1604940	m	.0400000
n	.0600000	gam	14.900327	b-al	11.536921	the	101.53694	phi	104.90035		

N	2.0000000	w1	.1200000	w2	.0600000	w3	.0400000	SF	.0128536	LFr	.4639807
PRA	1.0395414	PRB	.9886136	PRC	1.1193443	L	.0637169	min	.0446984	max	.3429415
Si	2.849560	SAB	2.867368	Sf	3.173026	K	.0190185	z	.2792246	m	.0400000
n	.0600000	gam	14.900327	b-al	11.536921	the	101.53694	phi	104.90035	2-LEVEL THRUST	

N	2.0000000	w1	.1200000	w2	.0700000	w3	.0200000	SF	.0137148	LFr	.4590616
PRA	1.0200000	PRB	1.0425249	PRC	1.1045908	L	.0569210	min	.0310213	max	.3464411
Si	2.849555	SAB	2.758863	Sf	3.177005	K	.0258998	z	.2895201	m	.0200000
n	.0700000	gam	16.601296	b-al	8.213082	the	98.213105	phi	106.60132	2-LEVEL THRUST	

N	2.0000000	w1	.1200000	w2	.0700000	w3	.0300000	SF	.0147991	LFr	.5538416
PRA	1.0200000	PRB	1.0179024	PRC	1.0369141	L	.2392788	min	.0394186	max	.3448384
Si	4.274322	SAB	3.522694	Sf	3.179508	K	.1998602	z	.1055596	m	.0300000
n	.0700000	gam	16.601296	b-al	9.870816	the	99.870839	phi	106.60132		

N	2.0000000	w1	.1200000	w2	.0700000	w3	.0300000	SF	.0147991	LFr	.4631367
PRA	1.0299647	PRB	1.0194912	PRC	1.1097835	L	.0611820	min	.0394186	max	.3448384
Si	2.849548	SAB	2.810206	Sf	3.179508	K	.0217634	z	.2836564	m	.0300000
n	.0700000	gam	16.601296	b-al	9.870816	the	99.870839	phi	106.60132	2-LEVEL THRUST	

N	2.0000000	w1	.1200000	w2	.0700000	w3	.0400000	SF	.0162468	LFr	.5343123
PRA	1.0300000	PRB	1.0021967	PRC	1.0340536	L	.1840553	min	.0475216	max	.3429415
Si	3.799412	SAB	3.337173	Sf	3.183198	K	.1365337	z	.1588861	m	.0400000
n	.0700000	gam	16.601296	b-al	11.536921	the	101.53694	phi	106.60132		

N	2.0000000	w1	.1200000	w2	.0700000	w3	.0400000	SF	.0162468	LFr	.4677954
PRA	1.0394540	PRB	.9993059	PRC	1.1135120	L	.0653229	min	.0475216	max	.3429415
Si	2.849552	SAB	2.860687	Sf	3.183198	K	.0178013	z	.2776186	m	.0400000
n	.0700000	gam	16.601296	b-al	11.536921	the	101.53694	phi	106.60132	2-LEVEL THRUST	

N	2.0000000	w1	.1200000	w2	.0700000	w3	.0500000	SF	.0183420	LFr	.6183758
PRA	1.0300000	PRB	.9895440	PRC	1.0291408	L	.3068066	min	.0553235	max	.3407433
Si	4.749261	SAB	3.864513	Sf	3.188456	K	.2514831	z	.0339368	m	.0500000
n	.0700000	gam	16.601296	b-al	13.212954	the	103.21298	phi	106.60132		

N	2.0000000	w1	.1200000	w2	.0700000	w3	.0500000	SF	.0183420	LFr	.5276709
PRA	1.0400000	PRB	.9876462	PRC	1.0291408	L	.1583920	min	.0553235	max	.3407433
Si	3.561944	SAB	3.270854	Sf	3.188456	K	.1030685	z	.1823514	m	.0500000
n	.0700000	gam	16.601296	b-al	13.212954	the	103.21298	phi	106.60132		

N	2.0000000	w1	.1200000	w2	.0700000	w3	.0500000	SF	.0183420	LFr	.4732485
PRA	1.0481221	PRB	.9832298	PRC	1.1146423	L	.0693436	min	.0553235	max	.3407433
Si	2.849557	SAB	2.909309	Sf	3.188456	K	.0140201	z	.2713998	m	.0500000
n	.0700000	gam	16.601296	b-al	13.212954	the	103.21298	phi	106.60132	2-LEVEL THRUST	

N	2.0000000	w1	.1200000	w2	.0800000	w3	.0200000	SF	.0179558	LFr	.4633083
PRA	1.0200000	PRB	1.0569830	PRC	1.0972273	L	.0587349	min	.0341690	max	.3464411
Si	2.849541	SAB	2.751593	Sf	3.191161	K	.0245659	z	.2877062	m	.0200000
n	.0800000	gam	18.317487	b-al	8.213082	the	98.213105	phi	108.31751	2-LEVEL THRUST	

N	2.0000000	w1	.1200000	w2	.0800000	w3	.0300000	SF	.0190411	LFr	.5670405
PRA	1.0200000	PRB	1.0299199	PRC	1.0149892	L	.2410965	min	.0425663	max	.3448384
Si	4.274338	SAB	3.515439	Sf	3.193664	K	.1985302	z	.1037419	m	.0300000
n	.0800000	gam	18.317487	b-al	9.870816	the	99.870839	phi	108.31751		

N	2.0000000	w1	.1200000	w2	.0800000	w3	.0300000	SF	.0190411	LFr	.4672651
PRA	1.0299437	PRB	1.0327616	PRC	1.1032756	L	.0629978	min	.0425663	max	.3448384
Si	2.849549	SAB	2.802884	Sf	3.193664	K	.0204315	z	.2818406	m	.0300000
n	.0800000	gam	18.317487	b-al	9.870816	the	99.870839	phi	108.31751	2-LEVEL THRUST	

N	2.0000000	w1	.1200000	w2	.0800000	w3	.0400000	SF	.0204887	LFr	.5443783				
PRA	1.0300000	PRB	1.0139147	PRC	1.0132837	L	.1858711	min	.0506694	max	.3429415				
Si	3.799413	SAB	3.329911	Sf	3.197354	K	.1352018	z	.1570703	m	.0400000				
n	.0800000	gam	18.317487	b-al	11.536921	the	101.53694	phi	108.31751						
N	2.0000000	w1	.1200000	w2	.0800000	w3	.0400000	SF	.0204887	LFr	.4718142				
PRA	1.0393454	PRB	1.0110083	PRC	1.1084515	L	.0671387	min	.0506694	max	.3429415				
Si	2.849553	SAB	2.853115	Sf	3.197354	K	.0164693	z	.2758028	m	.0400000				
n	.0800000	gam	18.317487	b-al	11.536921	the	101.53694	phi	108.31751	2-LEVEL THRUST					
N	2.0000000	w1	.1200000	w2	.0800000	w3	.0500000	SF	.0225830	LFr	.6343889				
PRA	1.0300000	PRB	.9980947	PRC	1.0105118	L	.3086224	min	.0584712	max	.3407433				
Si	4.749262	SAB	3.857251	Sf	3.202612	K	.2501912	z	.0321210	m	.0500000				
n	.0800000	gam	18.317487	b-al	13.212954	the	103.21298	phi	108.31751						
N	2.0000000	w1	.1200000	w2	.0800000	w3	.0500000	SF	.0225830	LFr	.5361261				
PRA	1.0400000	PRB	.9977482	PRC	1.0105118	L	.1602078	min	.0584712	max	.3407433				
Si	3.561945	SAB	3.263592	Sf	3.202612	K	.1017365	z	.1805356	m	.0500000				
n	.0800000	gam	18.317487	b-al	13.212954	the	103.21298	phi	108.31751						
N	2.0000000	w1	.1200000	w2	.0800000	w3	.0500000	SF	.0225830	LFr	.4771691				
PRA	1.0478883	PRB	.9924805	PRC	1.1121863	L	.0711594	min	.0584712	max	.3407433				
Si	2.849558	SAB	2.901381	Sf	3.202612	K	.0126882	z	.2695840	m	.0500000				
n	.0800000	gam	18.317487	b-al	13.212954	the	103.21298	phi	108.31751	2-LEVEL THRUST					
N	2.0000000	w1	.1200000	w2	.0800000	w3	.0600000	SF	.0252266	LFr	.6101427				
PRA	1.0400000	PRB	.9856978	PRC	1.0058208	L	.2531605	min	.0659707	max	.3382428				
Si	4.274339	SAB	3.672670	Sf	3.209960	K	.1871898	z	.0850823	m	.0600000				
n	.0800000	gam	18.317487	b-al	14.900326	the	104.90035	phi	108.31751						
N	2.0000000	w1	.1200000	w2	.0800000	w3	.0600000	SF	.0252266	LFr	.5339508				
PRA	1.0500000	PRB	.9838140	PRC	1.0058208	L	.1463013	min	.0659707	max	.3382428				
Si	3.419465	SAB	3.245234	Sf	3.209960	K	.0803306	z	.1919415	m	.0600000				
n	.0800000	gam	18.317487	b-al	14.900326	the	104.90035	phi	108.31751						
N	2.0000000	w1	.1200000	w2	.0800000	w3	.0600000	SF	.0252266	LFr	.4831553				
PRA	1.0555077	PRB	.9781777	PRC	1.1133506	L	.0750618	min	.0659707	max	.3382428				
Si	2.849549	SAB	2.947474	Sf	3.209960	K	.0090911	z	.2631810	m	.0600000				
n	.0800000	gam	18.317487	b-al	14.900326	the	104.90035	phi	108.31751	2-LEVEL THRUST					
N	2.0000000	w1	.1200000	w2	.0900000	w3	.0200000	SF	.0231867	LFr	.4677630				
PRA	1.0200000	PRB	1.0712760	PRC	1.0926362	L	.0607720	min	.0376505	max	.3464411				
Si	2.849556	SAB	2.743460	Sf	3.211261	K	.0231215	z	.2856692	m	.0200000				
n	.0900000	gam	20.050887	b-al	8.213082	the	98.213105	phi	110.05091	2-LEVEL THRUST					
N	2.0000000	w1	.1200000	w2	.0900000	w3	.0300000	SF	.0242710	LFr	.5804596				
PRA	1.0200000	PRB	1.0422893	PRC	.9958104	L	.2431316	min	.0460478	max	.3448384				
Si	4.274339	SAB	3.507299	Sf	3.213764	K	.1970838	z	.1017068	m	.0300000				
n	.0900000	gam	20.050887	b-al	9.870816	the	99.870839	phi	110.05091						
N	2.0000000	w1	.1200000	w2	.0900000	w3	.0300000	SF	.0242710	LFr	.4716129				
PRA	1.0299132	PRB	1.0460375	PRC	1.0993558	L	.0650330	min	.0460478	max	.3448384				
Si	2.849549	SAB	2.794656	Sf	3.213764	K	.0189851	z	.2798055	m	.0300000				
n	.0900000	gam	20.050887	b-al	9.870816	the	99.870839	phi	110.05091	2-LEVEL THRUST					
N	2.0000000	w1	.1200000	w2	.0900000	w3	.0400000	SF	.0257187	LFr	.5546732				
PRA	1.0300000	PRB	1.0263276	PRC	.9948215	L	.1879044	min	.0541509	max	.3429415				
Si	3.799398	SAB	3.321763	Sf	3.217454	K	.1337535	z	.1550371	m	.0400000				
n	.0900000	gam	20.050887	b-al	11.536921	the	101.53694	phi	110.05091						
N	2.0000000	w1	.1200000	w2	.0900000	w3	.0400000	SF	.0257187	LFr	.4760637				
PRA	1.0392112	PRB	1.0230855	PRC	1.1055550	L	.0691738	min	.0541509	max	.3429415				
Si	2.849553	SAB	2.844593	Sf	3.217454	K	.0150230	z	.2737676	m	.0400000				
n	.0900000	gam	20.050887	b-al	11.536921	the	101.53694	phi	110.05091	2-LEVEL THRUST					

N	2.0000000	w1	.1200000	w2	.0900000	w3	.0500000	SF	.0278139	LFr	.6506434		
PRA	1.0300000	PRB	1.0078650	PRC	.9932650	L	.3106575	min	.0619527	max	.3407433		
Si	4.749262	SAB	3.849110	Sf	3.222712	K	.2487048	z	.0300858	m	.0500000		
n	.0900000	gam	20.050887	b-al	13.212954	the	103.21298	phi	110.05091				
N	2.0000000	w1	.1200000	w2	.0900000	w3	.0500000	SF	.0278139	LFr	.5448217		
PRA	1.0400000	PRB	1.0092993	PRC	.9932650	L	.1622429	min	.0619527	max	.3407433		
Si	3.561945	SAB	3.255452	Sf	3.222712	K	.1002902	z	.1785004	m	.0500000		
n	.0900000	gam	20.050887	b-al	13.212954	the	103.21298	phi	110.05091				
N	2.0000000	w1	.1200000	w2	.0900000	w3	.0500000	SF	.0278139	LFr	.4813290		
PRA	1.0476108	PRB	1.0029295	PRC	1.1109264	L	.0731945	min	.0619527	max	.3407433		
Si	2.849558	SAB	2.892450	Sf	3.222712	K	.0112418	z	.2675488	m	.0500000		
n	.0900000	gam	20.050887	b-al	13.212954	the	103.21298	phi	110.05091	2-LEVEL THRUST			
N	2.0000000	w1	.1200000	w2	.0900000	w3	.0600000	SF	.0304566	LFr	.6232948		
PRA	1.0400000	PRB	.9941534	PRC	.9907762	L	.2551956	min	.0694522	max	.3382428		
Si	4.274339	SAB	3.664530	Sf	3.230061	K	.1857434	z	.0830472	m	.0600000		
n	.0900000	gam	20.050887	b-al	14.900326	the	104.90035	phi	110.05091				
N	2.0000000	w1	.1200000	w2	.0900000	w3	.0600000	SF	.0304566	LFr	.5416603		
PRA	1.0500000	PRB	.9933627	PRC	1.0044946	L	.1483364	min	.0694522	max	.3382428		
Si	3.419465	SAB	3.237093	Sf	3.230061	K	.0788842	z	.1899064	m	.0600000		
n	.0900000	gam	20.050887	b-al	14.900326	the	104.90035	phi	110.05091	2-LEVEL THRUST			
N	2.0000000	w1	.1200000	w2	.0900000	w3	.0600000	SF	.0304566	LFr	.4872370		
PRA	1.0550591	PRB	.9860512	PRC	1.1149393	L	.0770969	min	.0694522	max	.3382428		
Si	2.849549	SAB	2.938055	Sf	3.230061	K	.0076447	z	.2611459	m	.0600000		
n	.0900000	gam	20.050887	b-al	14.900326	the	104.90035	phi	110.05091	2-LEVEL THRUST			
N	2.0000000	w1	.1200000	w2	.0900000	w3	.0700000	SF	.0338497	LFr	.6100092		
PRA	1.0500000	PRB	.9820620	PRC	.9865662	L	.2233582	min	.0766290	max	.3354196		
Si	3.989370	SAB	3.575406	Sf	3.240232	K	.1467292	z	.1120614	m	.0700000		
n	.0900000	gam	20.050887	b-al	16.601296	the	106.60132	phi	110.05091				
N	2.0000000	w1	.1200000	w2	.0900000	w3	.0700000	SF	.0338497	LFr	.5422850		
PRA	1.0599958	PRB	.9799605	PRC	1.0195945	L	.1402474	min	.0766290	max	.3354196		
Si	3.324483	SAB	3.242949	Sf	3.240232	K	.0636184	z	.1951722	m	.0700000		
n	.0900000	gam	20.050887	b-al	16.601296	the	106.60132	phi	110.05091	2-LEVEL THRUST			
N	2.0000000	w1	.1200000	w2	.0900000	w3	.0700000	SF	.0338497	LFr	.4939089		
PRA	1.0615809	PRB	.9734264	PRC	1.1164447	L	.0808811	min	.0766290	max	.3354196		
Si	2.849553	SAB	2.981507	Sf	3.240232	K	.0042522	z	.2545384	m	.0700000		
n	.0900000	gam	20.050887	b-al	16.601296	the	106.60132	phi	110.05091	2-LEVEL THRUST			
N	2.0000000	w1	.1200000	w2	.1000000	w3	.0200000	SF	.0295887	LFr	.4724484		
PRA	1.0200000	PRB	1.0853521	PRC	1.0921093	L	.0630379	min	.0414760	max	.3464411		
Si	2.849555	SAB	2.734394	Sf	3.241140	K	.0215619	z	.2834032	m	.0200000		
n	.1000000	gam	21.803625	b-al	8.213082	the	98.213105	phi	111.80365	2-LEVEL THRUST			
N	2.0000000	w1	.1200000	w2	.1000000	w3	.0300000	SF	.0306730	LFr	.5941200		
PRA	1.0200000	PRB	1.0549183	PRC	.9804700	L	.2453976	min	.0498733	max	.3448384		
Si	4.274337	SAB	3.498233	Sf	3.243643	K	.1955243	z	.0994409	m	.0300000		
n	.1000000	gam	21.803625	b-al	9.870816	the	99.870839	phi	111.80365				
N	2.0000000	w1	.1200000	w2	.1000000	w3	.0300000	SF	.0306730	LFr	.4762039		
PRA	1.0298696	PRB	1.0592003	PRC	1.0994033	L	.0672989	min	.0498733	max	.3448384		
Si	2.849547	SAB	2.785466	Sf	3.243643	K	.0174256	z	.2775396	m	.0300000		
n	.1000000	gam	21.803625	b-al	9.870816	the	99.870839	phi	111.80365	2-LEVEL THRUST			
N	2.0000000	w1	.1200000	w2	.1000000	w3	.0400000	SF	.0321207	LFr	.5652266		
PRA	1.0300000	PRB	1.0391947	PRC	.9799538	L	.1901722	min	.0579763	max	.3429415		
Si	3.799411	SAB	3.312705	Sf	3.247334	K	.1321959	z	.1527693	m	.0400000		
n	.1000000	gam	21.803625	b-al	11.536921	the	101.53694	phi	111.80365				

N	2.0000000	w1	.1200000	w2	.1000000	w3	.0400000	SF	.0321207	LFr	.4805679		
PRA	1.0390461	PRB	1.0352548	PRC	1.1064147	L	.0714398	min	.0579763	max	.3429415		
Si	2.849551	SAB	2.835056	Sf	3.247334	K	.0134634	z	.2715017	m	.0400000		
n	.1000000	gam	21.803625	b-al	11.536921	the	101.53694	phi	111.80365	2-LEVEL THRUST			
N	2.0000000	w1	.1200000	w2	.1000000	w3	.0500000	SF	.0342159	LFr	.6671639		
PRA	1.0300000	PRB	1.0183229	PRC	.9791582	L	.3129234	min	.0657782	max	.3407433		
Si	4.749260	SAB	3.840044	Sf	3.252592	K	.2471452	z	.0278199	m	.0500000		
n	.1000000	gam	21.803625	b-al	13.212954	the	103.21298	phi	111.80365				
N	2.0000000	w1	.1200000	w2	.1000000	w3	.0500000	SF	.0342159	LFr	.5537834		
PRA	1.0400000	PRB	1.0216747	PRC	.9806561	L	.1645088	min	.0657782	max	.3407433		
Si	3.561943	SAB	3.246386	Sf	3.252592	K	.0987306	z	.1762345	m	.0500000		
n	.1000000	gam	21.803625	b-al	13.212954	the	103.21298	phi	111.80365	2-LEVEL THRUST			
N	2.0000000	w1	.1200000	w2	.1000000	w3	.0500000	SF	.0342159	LFr	.4857559		
PRA	1.0472817	PRB	1.0138715	PRC	1.1129748	L	.0754604	min	.0657782	max	.3407433		
Si	2.849556	SAB	2.882446	Sf	3.252592	K	.0096822	z	.2652829	m	.0500000		
n	.1000000	gam	21.803625	b-al	13.212954	the	103.21298	phi	111.80365	2-LEVEL THRUST			
N	2.0000000	w1	.1200000	w2	.1000000	w3	.0600000	SF	.0368595	LFr	.6367245		
PRA	1.0400000	PRB	1.0040505	PRC	.9779228	L	.2574616	min	.0732777	max	.3382428		
Si	4.274337	SAB	3.655464	Sf	3.259940	K	.1841839	z	.0807813	m	.0600000		
n	.1000000	gam	21.803625	b-al	14.900326	the	104.90035	phi	111.80365				
N	2.0000000	w1	.1200000	w2	.1000000	w3	.0600000	SF	.0368595	LFr	.5496483		
PRA	1.0500000	PRB	1.0044434	PRC	1.0054186	L	.1506024	min	.0732777	max	.3382428		
Si	3.419463	SAB	3.228027	Sf	3.259940	K	.0773247	z	.1876405	m	.0600000		
n	.1000000	gam	21.803625	b-al	14.900326	the	104.90035	phi	111.80365	2-LEVEL THRUST			
N	2.0000000	w1	.1200000	w2	.1000000	w3	.0600000	SF	.0368595	LFr	.4915972		
PRA	1.0545359	PRB	.9953020	PRC	1.1188144	L	.0793629	min	.0732777	max	.3382428		
Si	2.849548	SAB	2.927499	Sf	3.259940	K	.0060852	z	.2588799	m	.0600000		
n	.1000000	gam	21.803625	b-al	14.900326	the	104.90035	phi	111.80365	2-LEVEL THRUST			
N	2.0000000	w1	.1200000	w2	.1000000	w3	.0700000	SF	.0402517	LFr	.6215677		
PRA	1.0500000	PRB	.9901993	PRC	.9759461	L	.2256241	min	.0804545	max	.3354196		
Si	3.989368	SAB	3.566340	Sf	3.270112	K	.1451697	z	.1097955	m	.0700000		
n	.1000000	gam	21.803625	b-al	16.601296	the	106.60132	phi	111.80365				
N	2.0000000	w1	.1200000	w2	.1000000	w3	.0700000	SF	.0402517	LFr	.5496102		
PRA	1.0599911	PRB	.9885089	PRC	1.0229627	L	.1425133	min	.0804545	max	.3354196		
Si	3.324481	SAB	3.233867	Sf	3.270112	K	.0620588	z	.1929063	m	.0700000		
n	.1000000	gam	21.803625	b-al	16.601296	the	106.60132	phi	111.80365	2-LEVEL THRUST			
N	2.0000000	w1	.1200000	w2	.1000000	w3	.0700000	SF	.0402517	LFr	.4982109		
PRA	1.0608379	PRB	.9799893	PRC	1.1234078	L	.0831471	min	.0804545	max	.3354196		
Si	2.849551	SAB	2.970324	Sf	3.270112	K	.0026926	z	.2522725	m	.0700000		
n	.1000000	gam	21.803625	b-al	16.601296	the	106.60132	phi	111.80365	2-LEVEL THRUST			
N	2.0000000	w1	.1200000	w2	.1000000	w3	.0800000	SF	.0445032	LFr	.7015352		
PRA	1.0500000	PRB	.9807227	PRC	.9725564	L	.3005314	min	.0873067	max	.3322718		
Si	4.559283	SAB	3.905122	Sf	3.284267	K	.2132247	z	.0317404	m	.0800000		
n	.1000000	gam	21.803625	b-al	18.317487	the	108.31751	phi	111.80365				
N	2.0000000	w1	.1200000	w2	.1000000	w3	.0800000	SF	.0445032	LFr	.6144600		
PRA	1.0600000	PRB	.9786451	PRC	.9725564	L	.2055473	min	.0873067	max	.3322718		
Si	3.799410	SAB	3.525186	Sf	3.284267	K	.1182407	z	.1267245	m	.0800000		
n	.1000000	gam	21.803625	b-al	18.317487	the	108.31751	phi	111.80365				
N	2.0000000	w1	.1200000	w2	.1000000	w3	.0800000	SF	.0445032	LFr	.5522614		
PRA	1.0695474	PRB	.9757210	PRC	1.0349512	L	.1376991	min	.0873067	max	.3322718		
Si	3.256625	SAB	3.252318	Sf	3.284267	K	.0503925	z	.1945727	m	.0800000		
n	.1000000	gam	21.803625	b-al	18.317487	the	108.31751	phi	111.80365	2-LEVEL THRUST			

N	2.0000000	wl	.1400000	w2	.0400000	w3	.0200000	SF	.0055418	LFr	.5114784		
PRA	1.0200000	PRB	.9999784	PRC	1.1698180	L	.0685482	min	.0237141	max	.3262159		
Si	2.849555	SAB	2.712353	Sf	3.150271	K	.0448341	z	.2576677	m	.0200000		
n	.0400000	gam	12.246622	b-al	8.714620	the	98.714643	phi	102.24664				
N	2.0000000	wl	.1400000	w2	.0500000	w3	.0200000	SF	.0075646	LFr	.5160980		
PRA	1.0200000	PRB	1.0143534	PRC	1.1485010	L	.0698528	min	.0260528	max	.3262159		
Si	2.849559	SAB	2.707139	Sf	3.153779	K	.0438000	z	.2563631	m	.0200000		
n	.0500000	gam	14.029656	b-al	8.714620	the	98.714643	phi	104.02968	2-LEVEL THRUST			
N	2.0000000	wl	.1400000	w2	.0500000	w3	.0300000	SF	.0086346	LFr	.5938549		
PRA	1.0200000	PRB	.9958862	PRC	1.1327926	L	.2521706	min	.0343534	max	.3245165		
Si	4.274329	SAB	3.471133	Sf	3.155490	K	.2178172	z	.0723459	m	.0300000		
n	.0500000	gam	14.029656	b-al	10.475587	the	100.47561	phi	104.02968				
N	2.0000000	wl	.1400000	w2	.0500000	w3	.0300000	SF	.0086346	LFr	.5212917		
PRA	1.0300000	PRB	.9947838	PRC	1.1498108	L	.0740738	min	.0343534	max	.3245165		
Si	2.849555	SAB	2.758746	Sf	3.155490	K	.0397204	z	.2504427	m	.0300000		
n	.0500000	gam	14.029656	b-al	10.475587	the	100.47561	phi	104.02968	2-LEVEL THRUST			
N	2.0000000	wl	.1400000	w2	.0600000	w3	.0200000	SF	.0101795	LFr	.5208626		
PRA	1.0200000	PRB	1.0296593	PRC	1.1356820	L	.0713577	min	.0287148	max	.3262159		
Si	2.849559	SAB	2.701119	Sf	3.158595	K	.0426430	z	.2548582	m	.0200000		
n	.0600000	gam	15.826319	b-al	8.714620	the	98.714643	phi	105.82634	2-LEVEL THRUST			
N	2.0000000	wl	.1400000	w2	.0600000	w3	.0300000	SF	.0112505	LFr	.6075583		
PRA	1.0200000	PRB	1.0065521	PRC	1.1045481	L	.2536755	min	.0370153	max	.3245165		
Si	4.274328	SAB	3.465113	Sf	3.160307	K	.2166602	z	.0708410	m	.0300000		
n	.0600000	gam	15.826319	b-al	10.475587	the	100.47561	phi	105.82634				
N	2.0000000	wl	.1400000	w2	.0600000	w3	.0300000	SF	.0112505	LFr	.5259247		
PRA	1.0300000	PRB	1.0079467	PRC	1.1390130	L	.0755787	min	.0370153	max	.3245165		
Si	2.849554	SAB	2.752726	Sf	3.160307	K	.0385634	z	.2489378	m	.0300000		
n	.0600000	gam	15.826319	b-al	10.475587	the	100.47561	phi	105.82634	2-LEVEL THRUST			
N	2.0000000	wl	.1400000	w2	.0600000	w3	.0400000	SF	.0126810	LFr	.5920448		
PRA	1.0300000	PRB	.9915573	PRC	1.0987779	L	.1984024	min	.0450005	max	.3225017		
Si	3.799401	SAB	3.279774	Sf	3.162806	K	.1534019	z	.1240993	m	.0400000		
n	.0600000	gam	15.826319	b-al	12.246622	the	102.24664	phi	105.82634				
N	2.0000000	wl	.1400000	w2	.0600000	w3	.0400000	SF	.0126810	LFr	.5315762		
PRA	1.0399940	PRB	.9896405	PRC	1.1394305	L	.0796719	min	.0450005	max	.3225017		
Si	2.849557	SAB	2.804835	Sf	3.162806	K	.0346714	z	.2428298	m	.0400000		
n	.0600000	gam	15.826319	b-al	12.246622	the	102.24664	phi	105.82634	2-LEVEL THRUST			
N	2.0000000	wl	.1400000	w2	.0700000	w3	.0200000	SF	.0134983	LFr	.5258036		
PRA	1.0200000	PRB	1.0452742	PRC	1.1238863	L	.0730839	min	.0317239	max	.3262159		
Si	2.849560	SAB	2.694215	Sf	3.165081	K	.0413600	z	.2531321	m	.0200000		
n	.0700000	gam	17.639436	b-al	8.714620	the	98.714643	phi	107.63946	2-LEVEL THRUST			
N	2.0000000	wl	.1400000	w2	.0700000	w3	.0300000	SF	.0145683	LFr	.6214495		
PRA	1.0200000	PRB	1.0182362	PRC	1.0772263	L	.2554016	min	.0400245	max	.3245165		
Si	4.274330	SAB	3.458210	Sf	3.166793	K	.2153771	z	.0691149	m	.0300000		
n	.0700000	gam	17.639436	b-al	10.475587	the	100.47561	phi	107.63946				
N	2.0000000	wl	.1400000	w2	.0700000	w3	.0300000	SF	.0145683	LFr	.5307455		
PRA	1.0300000	PRB	1.0220746	PRC	1.1284040	L	.0773049	min	.0400245	max	.3245165		
Si	2.849555	SAB	2.745823	Sf	3.166793	K	.0372804	z	.2472117	m	.0300000		
n	.0700000	gam	17.639436	b-al	10.475587	the	100.47561	phi	107.63946	2-LEVEL THRUST			
N	2.0000000	wl	.1400000	w2	.0700000	w3	.0400000	SF	.0159998	LFr	.6028023		
PRA	1.0300000	PRB	1.0022399	PRC	1.0737083	L	.2001286	min	.0480097	max	.3225017		
Si	3.799403	SAB	3.272871	Sf	3.169293	K	.1521189	z	.1223731	m	.0400000		
n	.0700000	gam	17.639436	b-al	12.246622	the	102.24664	phi	107.63946				

N	2.0000000	wl	.1400000	w2	.0700000	w3	.0400000	SF	.0159998	LFr	.5362864		
PRA	1.0399874	PRB	1.0013883	PRC	1.1311643	L	.0813980	min	.0480097	max	.3225017		
Si	2.849558	SAB	2.797913	Sf	3.169293	K	.0333883	z	.2411037	m	.0400000		
n	.0700000	gam	17.639436	b-al	12.246622	the	102.24664	phi	107.63946	2-LEVEL THRUST			
N	2.0000000	wl	.1400000	w2	.0700000	w3	.0500000	SF	.0180626	LFr	.5970535		
PRA	1.0400000	PRB	.9873993	PRC	1.0677776	L	.1744118	min	.0556708	max	.3201628		
Si	3.561946	SAB	3.206777	Sf	3.172800	K	.1187410	z	.1457511	m	.0500000		
n	.0700000	gam	17.639436	b-al	14.029655	the	104.02968	phi	107.63946				
N	2.0000000	wl	.1400000	w2	.0700000	w3	.0500000	SF	.0180626	LFr	.5426312		
PRA	1.0496859	PRB	.9844796	PRC	1.1309377	L	.0853634	min	.0556708	max	.3201628		
Si	2.849559	SAB	2.849688	Sf	3.172800	K	.0296926	z	.2347994	m	.0500000		
n	.0700000	gam	17.639436	b-al	14.029655	the	104.02968	phi	107.63946	2-LEVEL THRUST			
N	2.0000000	wl	.1400000	w2	.0800000	w3	.0200000	SF	.0176201	LFr	.5309448		
PRA	1.0200000	PRB	1.0609295	PRC	1.1135768	L	.0750370	min	.0350827	max	.3262159		
Si	2.849553	SAB	2.686396	Sf	3.173780	K	.0399543	z	.2511789	m	.0200000		
n	.0800000	gam	19.470994	b-al	8.714620	the	98.714643	phi	109.47102	2-LEVEL THRUST			
N	2.0000000	wl	.1400000	w2	.0800000	w3	.0300000	SF	.0186911	LFr	.6355524		
PRA	1.0200000	PRB	1.0304839	PRC	1.0515963	L	.2573547	min	.0433833	max	.3245165		
Si	4.274323	SAB	3.450391	Sf	3.175491	K	.2139714	z	.0671618	m	.0300000		
n	.0800000	gam	19.470994	b-al	10.475587	the	100.47561	phi	109.47102				
N	2.0000000	wl	.1400000	w2	.0800000	w3	.0300000	SF	.0186911	LFr	.5357781		
PRA	1.0300000	PRB	1.0365493	PRC	1.1188888	L	.0792580	min	.0433833	max	.3245165		
Si	2.849549	SAB	2.738004	Sf	3.175491	K	.0358747	z	.2452585	m	.0300000		
n	.0800000	gam	19.470994	b-al	10.475587	the	100.47561	phi	109.47102	2-LEVEL THRUST			
N	2.0000000	wl	.1400000	w2	.0800000	w3	.0400000	SF	.0201216	LFr	.6137848		
PRA	1.0300000	PRB	1.0141910	PRC	1.0493497	L	.2020836	min	.0513685	max	.3225017		
Si	3.799412	SAB	3.265060	Sf	3.177991	K	.1507151	z	.1204181	m	.0400000		
n	.0800000	gam	19.470994	b-al	12.246622	the	102.24664	phi	109.47102				
N	2.0000000	wl	.1400000	w2	.0800000	w3	.0400000	SF	.0201216	LFr	.5412207		
PRA	1.0399766	PRB	1.0142342	PRC	1.1230534	L	.0833512	min	.0513685	max	.3225017		
Si	2.849552	SAB	2.790063	Sf	3.177991	K	.0319827	z	.2391505	m	.0400000		
n	.0800000	gam	19.470994	b-al	12.246622	the	102.24664	phi	109.47102	2-LEVEL THRUST			
N	2.0000000	wl	.1400000	w2	.0800000	w3	.0500000	SF	.0221853	LFr	.6064358		
PRA	1.0400000	PRB	.9977026	PRC	1.0457655	L	.1763649	min	.0590296	max	.3201628		
Si	3.561939	SAB	3.198958	Sf	3.181498	K	.1173353	z	.1437979	m	.0500000		
n	.0800000	gam	19.470994	b-al	14.029655	the	104.02968	phi	109.47102				
N	2.0000000	wl	.1400000	w2	.0800000	w3	.0500000	SF	.0221853	LFr	.5474777		
PRA	1.0496143	PRB	.9948127	PRC	1.1254276	L	.0873165	min	.0590296	max	.3201628		
Si	2.849552	SAB	2.841665	Sf	3.181498	K	.0282869	z	.2328463	m	.0500000		
n	.0800000	gam	19.470994	b-al	14.029655	the	104.02968	phi	109.47102	2-LEVEL THRUST			
N	2.0000000	wl	.1400000	w2	.0800000	w3	.0600000	SF	.0247803	LFr	.6813746		
PRA	1.0400000	PRB	.9854425	PRC	1.0398546	L	.2692566	min	.0663677	max	.3175009		
Si	4.274328	SAB	3.608276	Sf	3.186315	K	.2028889	z	.0482443	m	.0600000		
n	.0800000	gam	19.470994	b-al	15.826319	the	105.82634	phi	109.47102				
N	2.0000000	wl	.1400000	w2	.0800000	w3	.0600000	SF	.0247803	LFr	.6051836		
PRA	1.0500000	PRB	.9834864	PRC	1.0398546	L	.1623993	min	.0663677	max	.3175009		
Si	3.419470	SAB	3.180846	Sf	3.186315	K	.0960316	z	.1551016	m	.0600000		
n	.0800000	gam	19.470994	b-al	15.826319	the	105.82634	phi	109.47102				
N	2.0000000	wl	.1400000	w2	.0800000	w3	.0600000	SF	.0247803	LFr	.5543890		
PRA	1.0586452	PRB	.9795384	PRC	1.1247726	L	.0911598	min	.0663677	max	.3175009		
Si	2.849554	SAB	2.892028	Sf	3.186315	K	.0247921	z	.2263411	m	.0600000		
n	.0800000	gam	19.470994	b-al	15.826319	the	105.82634	phi	109.47102	2-LEVEL THRUST			

N	2.0000000	w1	.1400000	w2	.0900000	w3	.0200000	SF	.0226679	LFr	.5363150
PRA	1.0200000	PRB	1.0765006	PRC	1.1051249	L	.0772305	min	.0388030	max	.3262159
Si	2.849541	SAB	2.677610	Sf	3.185466	K	.0384275	z	.2489855	m	.0200000
n	.0900000	gam	21.323511	b-al	8.714620	the	98.714643	phi	111.32353	2-LEVEL THRUST	
N	2.0000000	w1	.1400000	w2	.0900000	w3	.0300000	SF	.0237389	LFr	.6498985
PRA	1.0200000	PRB	1.0430965	PRC	1.0280730	L	.2595501	min	.0471036	max	.3245165
Si	4.274326	SAB	3.441612	Sf	3.187178	K	.2124465	z	.0649664	m	.0300000
n	.0900000	gam	21.323511	b-al	10.475587	the	100.47561	phi	111.32353		
N	2.0000000	w1	.1400000	w2	.0900000	w3	.0300000	SF	.0237389	LFr	.5410538
PRA	1.0300000	PRB	1.0510980	PRC	1.1110247	L	.0814533	min	.0471036	max	.3245165
Si	2.849552	SAB	2.729225	Sf	3.187178	K	.0343498	z	.2430632	m	.0300000
n	.0900000	gam	21.323511	b-al	10.475587	the	100.47561	phi	111.32353	2-LEVEL THRUST	
N	2.0000000	w1	.1400000	w2	.0900000	w3	.0400000	SF	.0251694	LFr	.6250191
PRA	1.0300000	PRB	1.0268571	PRC	1.0266186	L	.2042771	min	.0550888	max	.3225017
Si	3.799399	SAB	3.256273	Sf	3.189677	K	.1491883	z	.1182246	m	.0400000
n	.0900000	gam	21.323511	b-al	12.246622	the	102.24664	phi	111.32353		
N	2.0000000	w1	.1400000	w2	.0900000	w3	.0400000	SF	.0251694	LFr	.5464087
PRA	1.0399596	PRB	1.0275151	PRC	1.1161485	L	.0855446	min	.0550888	max	.3225017
Si	2.849540	SAB	2.781228	Sf	3.189677	K	.0304558	z	.2369571	m	.0400000
n	.0900000	gam	21.323511	b-al	12.246622	the	102.24664	phi	111.32353	2-LEVEL THRUST	
N	2.0000000	w1	.1400000	w2	.0900000	w3	.0500000	SF	.0272331	LFr	.6160822
PRA	1.0400000	PRB	1.0094896	PRC	1.0243723	L	.1785603	min	.0627499	max	.3201628
Si	3.561942	SAB	3.190179	Sf	3.193185	K	.1158104	z	.1416026	m	.0500000
n	.0900000	gam	21.323511	b-al	14.029655	the	104.02968	phi	111.32353		
N	2.0000000	w1	.1400000	w2	.0900000	w3	.0500000	SF	.0272331	LFr	.5525894
PRA	1.0495243	PRB	1.0064119	PRC	1.1201043	L	.0895119	min	.0627499	max	.3201628
Si	2.849555	SAB	2.832630	Sf	3.193185	K	.0267620	z	.2306510	m	.0500000
n	.0900000	gam	21.323511	b-al	14.029655	the	104.02968	phi	111.32353	2-LEVEL THRUST	
N	2.0000000	w1	.1400000	w2	.0900000	w3	.0600000	SF	.0298281	LFr	.6954909
PRA	1.0400000	PRB	.9940477	PRC	1.0208724	L	.2714520	min	.0700880	max	.3175009
Si	4.274331	SAB	3.599497	Sf	3.198001	K	.2013640	z	.0460490	m	.0600000
n	.0900000	gam	21.323511	b-al	15.826319	the	105.82634	phi	111.32353		
N	2.0000000	w1	.1400000	w2	.0900000	w3	.0600000	SF	.0298281	LFr	.6138563
PRA	1.0500000	PRB	.9932457	PRC	1.0208724	L	.1645928	min	.0700880	max	.3175009
Si	3.419458	SAB	3.172060	Sf	3.198001	K	.0945047	z	.1529082	m	.0600000
n	.0900000	gam	21.323511	b-al	15.826319	the	105.82634	phi	111.32353		
N	2.0000000	w1	.1400000	w2	.0900000	w3	.0600000	SF	.0298281	LFr	.5594349
PRA	1.0584505	PRB	.9885081	PRC	1.1222762	L	.0933552	min	.0700880	max	.3175009
Si	2.849557	SAB	2.882695	Sf	3.198001	K	.0232672	z	.2241457	m	.0600000
n	.0900000	gam	21.323511	b-al	15.826319	the	105.82634	phi	111.32353	2-LEVEL THRUST	
N	2.0000000	w1	.1400000	w2	.0900000	w3	.0700000	SF	.0331450	LFr	.6831646
PRA	1.0500000	PRB	.9817311	PRC	1.0151611	L	.2395496	min	.0770788	max	.3144917
Si	3.989378	SAB	3.510649	Sf	3.204488	K	.1624708	z	.0749421	m	.0700000
n	.0900000	gam	21.323511	b-al	17.639436	the	107.63946	phi	111.32353		
N	2.0000000	w1	.1400000	w2	.0900000	w3	.0700000	SF	.0331450	LFr	.6154385
PRA	1.0600000	PRB	.9798036	PRC	1.0290551	L	.1564369	min	.0770788	max	.3144917
Si	3.324477	SAB	3.178198	Sf	3.204488	K	.0793581	z	.1580548	m	.0700000
n	.0900000	gam	21.323511	b-al	17.639436	the	107.63946	phi	111.32353	2-LEVEL THRUST	
N	2.0000000	w1	.1400000	w2	.0900000	w3	.0700000	SF	.0331450	LFr	.5670624
PRA	1.0666873	PRB	.9748728	PRC	1.1213766	L	.0970707	min	.0770788	max	.3144917
Si	2.849547	SAB	2.931293	Sf	3.204488	K	.0199919	z	.2174211	m	.0700000
n	.0900000	gam	21.323511	b-al	17.639436	the	107.63946	phi	111.32353	2-LEVEL THRUST	

N	2.0000000	w1	.1400000	w2	.1000000	w3	.0200000	SF	.0287657	LFr	.5419436		
PRA	1.0200000	PRB	1.0919268	PRC	1.0989660	L	.0796814	min	.0428978	max	.3262159		
Si	2.849545	SAB	2.667810	Sf	3.201347	K	.0367836	z	.2465345	m	.0200000		
n	.1000000	gam	23.199708	b-al	8.714620	the	98.714643	phi	113.19973	2-LEVEL THRUST			
N	2.0000000	w1	.1400000	w2	.1000000	w3	.0300000	SF	.0298367	LFr	.6645136		
PRA	1.0200000	PRB	1.0559812	PRC	1.0070235	L	.2620011	min	.0511984	max	.3245165		
Si	4.274330	SAB	3.431813	Sf	3.203059	K	.2108027	z	.0625155	m	.0300000		
n	.1000000	gam	23.199708	b-al	10.475587	the	100.47561	phi	113.19973				
N	2.0000000	w1	.1400000	w2	.1000000	w3	.0300000	SF	.0298367	LFr	.5465984		
PRA	1.0300000	PRB	1.0655897	PRC	1.1053447	L	.0839043	min	.0511984	max	.3245165		
Si	2.849556	SAB	2.719425	Sf	3.203059	K	.0327059	z	.2406122	m	.0300000		
n	.1000000	gam	23.199708	b-al	10.475587	the	100.47561	phi	113.19973	2-LEVEL THRUST			
N	2.0000000	w1	.1400000	w2	.1000000	w3	.0400000	SF	.0312681	LFr	.6365376		
PRA	1.0300000	PRB	1.0399944	PRC	1.0060956	L	.2067280	min	.0591836	max	.3225017		
Si	3.799403	SAB	3.246473	Sf	3.205558	K	.1475444	z	.1157737	m	.0400000		
n	.1000000	gam	23.199708	b-al	12.246622	the	102.24664	phi	113.19973				
N	2.0000000	w1	.1400000	w2	.1000000	w3	.0400000	SF	.0312681	LFr	.5518799		
PRA	1.0399338	PRB	1.0409365	PRC	1.1111875	L	.0879955	min	.0591836	max	.3225017		
Si	2.849543	SAB	2.771354	Sf	3.205558	K	.0288120	z	.2345061	m	.0400000		
n	.1000000	gam	23.199708	b-al	12.246622	the	102.24664	phi	113.19973	2-LEVEL THRUST			
N	2.0000000	w1	.1400000	w2	.1000000	w3	.0500000	SF	.0333309	LFr	.6260262		
PRA	1.0400000	PRB	1.0221234	PRC	1.0046934	L	.1810112	min	.0668447	max	.3201628		
Si	3.561946	SAB	3.180379	Sf	3.209065	K	.1141665	z	.1391516	m	.0500000		
n	.1000000	gam	23.199708	b-al	14.029655	the	104.02968	phi	113.19973				
N	2.0000000	w1	.1400000	w2	.1000000	w3	.0500000	SF	.0333309	LFr	.5579977		
PRA	1.0494121	PRB	1.0185540	PRC	1.1162435	L	.0919628	min	.0668447	max	.3201628		
Si	2.849559	SAB	2.822510	Sf	3.209065	K	.0251181	z	.2282000	m	.0500000		
n	.1000000	gam	23.199708	b-al	14.029655	the	104.02968	phi	113.19973	2-LEVEL THRUST			
N	2.0000000	w1	.1400000	w2	.1000000	w3	.0600000	SF	.0359259	LFr	.7099161		
PRA	1.0400000	PRB	1.0041246	PRC	1.0025764	L	.2739029	min	.0741828	max	.3175009		
Si	4.274335	SAB	3.589697	Sf	3.213882	K	.1997201	z	.0435980	m	.0600000		
n	.1000000	gam	23.199708	b-al	15.826319	the	105.82634	phi	113.19973				
N	2.0000000	w1	.1400000	w2	.1000000	w3	.0600000	SF	.0359259	LFr	.6228399		
PRA	1.0500000	PRB	1.0046788	PRC	1.0115913	L	.1670437	min	.0741828	max	.3175009		
Si	3.419462	SAB	3.162260	Sf	3.213882	K	.0928609	z	.1504572	m	.0600000		
n	.1000000	gam	23.199708	b-al	15.826319	the	105.82634	phi	113.19973	2-LEVEL THRUST			
N	2.0000000	w1	.1400000	w2	.1000000	w3	.0600000	SF	.0359259	LFr	.5647888		
PRA	1.0582187	PRB	.9989157	PRC	1.1201663	L	.0958042	min	.0741828	max	.3175009		
Si	2.849546	SAB	2.872226	Sf	3.213882	K	.0216214	z	.2216967	m	.0600000		
n	.1000000	gam	23.199708	b-al	15.826319	the	105.82634	phi	113.19973	2-LEVEL THRUST			
N	2.0000000	w1	.1400000	w2	.1000000	w3	.0700000	SF	.0392437	LFr	.6957350		
PRA	1.0500000	PRB	.9900159	PRC	.9993111	L	.2420006	min	.0811736	max	.3144917		
Si	3.989382	SAB	3.500849	Sf	3.220368	K	.1608270	z	.0724912	m	.0700000		
n	.1000000	gam	23.199708	b-al	17.639436	the	107.63946	phi	113.19973				
N	2.0000000	w1	.1400000	w2	.1000000	w3	.0700000	SF	.0392437	LFr	.6237755		
PRA	1.0600000	PRB	.9888298	PRC	1.0278844	L	.1588879	min	.0811736	max	.3144917		
Si	3.324480	SAB	3.168398	Sf	3.220368	K	.0777142	z	.1556039	m	.0700000		
n	.1000000	gam	23.199708	b-al	17.639436	the	107.63946	phi	113.19973	2-LEVEL THRUST			
N	2.0000000	w1	.1400000	w2	.1000000	w3	.0700000	SF	.0392437	LFr	.5723753		
PRA	1.0663152	PRB	.9825467	PRC	1.1222902	L	.0995216	min	.0811736	max	.3144917		
Si	2.849551	SAB	2.920433	Sf	3.220368	K	.0183480	z	.2149701	m	.0700000		
n	.1000000	gam	23.199708	b-al	17.639436	the	107.63946	phi	113.19973	2-LEVEL THRUST			

N	2.0000000	w1	.1400000	w2	.1000000	w3	.0800000	SF	.0433760	LFr	.6896219
PRA	1.0600000	PRB	.9782426	PRC	.9939992	L	.2218495	min	.0878148	max	.3111329
Si	3.799412	SAB	3.459979	Sf	3.229067	K	.1340347	z	.0892834	m	.0800000
n	.1000000	gam	23.199708	b-al	19.470994	the	109.47102	phi	113.19973		

N	2.0000000	w1	.1400000	w2	.1000000	w3	.0800000	SF	.0433760	LFr	.6274233
PRA	1.0699564	PRB	.9759421	PRC	1.0377056	L	.1540012	min	.0878148	max	.3111329
Si	3.256627	SAB	3.188444	Sf	3.229067	K	.0661865	z	.1571316	m	.0800000
n	.1000000	gam	23.199708	b-al	19.470994	the	109.47102	phi	113.19973	2-LEVEL THRUST	

N	2.0000000	w1	.1400000	w2	.1000000	w3	.0800000	SF	.0433760	LFr	.5807762
PRA	1.0737293	PRB	.9704768	PRC	1.1213674	L	.1031170	min	.0878148	max	.3111329
Si	2.849553	SAB	2.967180	Sf	3.229067	K	.0153023	z	.2080159	m	.0800000
n	.1000000	gam	23.199708	b-al	19.470994	the	109.47102	phi	113.19973	2-LEVEL THRUST	

N	2.0000000	w1	.1400000	w2	.1100000	w3	.0200000	SF	.0360842	LFr	.5478630
PRA	1.0200000	PRB	1.1071745	PRC	1.0957982	L	.0824032	min	.0473827	max	.3262159
Si	2.849540	SAB	2.656918	Sf	3.223479	K	.0350205	z	.2438127	m	.0200000
n	.1100000	gam	25.102621	b-al	8.714620	the	98.714643	phi	115.10264	2-LEVEL THRUST	

N	2.0000000	w1	.1400000	w2	.1100000	w3	.0300000	SF	.0371552	LFr	.6794376
PRA	1.0200000	PRB	1.0690899	PRC	.9889844	L	.2647247	min	.0556833	max	.3245165
Si	4.274340	SAB	3.420928	Sf	3.225190	K	.2090414	z	.0597918	m	.0300000
n	.1100000	gam	25.102621	b-al	10.475587	the	100.47561	phi	115.10264		

N	2.0000000	w1	.1400000	w2	.1100000	w3	.0300000	SF	.0371552	LFr	.5524502
PRA	1.0300000	PRB	1.0799509	PRC	1.1025981	L	.0866261	min	.0556833	max	.3245165
Si	2.849551	SAB	2.708533	Sf	3.225190	K	.0309428	z	.2378905	m	.0300000
n	.1100000	gam	25.102621	b-al	10.475587	the	100.47561	phi	115.10264	2-LEVEL THRUST	

N	2.0000000	w1	.1400000	w2	.1100000	w3	.0400000	SF	.0385857	LFr	.6483784
PRA	1.0300000	PRB	1.0534805	PRC	.9884223	L	.2094517	min	.0636685	max	.3225017
Si	3.799413	SAB	3.235589	Sf	3.227690	K	.1457832	z	.1130500	m	.0400000
n	.1100000	gam	25.102621	b-al	12.246622	the	102.24664	phi	115.10264		

N	2.0000000	w1	.1400000	w2	.1100000	w3	.0400000	SF	.0385857	LFr	.5576735
PRA	1.0398960	PRB	1.0543456	PRC	1.1090285	L	.0907192	min	.0636685	max	.3225017
Si	2.849553	SAB	2.760362	Sf	3.227690	K	.0270508	z	.2317825	m	.0400000
n	.1100000	gam	25.102621	b-al	12.246622	the	102.24664	phi	115.10264	2-LEVEL THRUST	

N	2.0000000	w1	.1400000	w2	.1100000	w3	.0500000	SF	.0406494	LFr	.6363039
PRA	1.0400000	PRB	1.0353198	PRC	.9875843	L	.1837330	min	.0713296	max	.3201628
Si	3.561941	SAB	3.169487	Sf	3.231197	K	.1124034	z	.1364298	m	.0500000
n	.1100000	gam	25.102621	b-al	14.029655	the	104.02968	phi	115.10264		

N	2.0000000	w1	.1400000	w2	.1100000	w3	.0500000	SF	.0406494	LFr	.5637407
PRA	1.0492729	PRB	1.0309105	PRC	1.1149297	L	.0946846	min	.0713296	max	.3201628
Si	2.849554	SAB	2.811221	Sf	3.231197	K	.0233550	z	.2254782	m	.0500000
n	.1100000	gam	25.102621	b-al	14.029655	the	104.02968	phi	115.10264	2-LEVEL THRUST	

N	2.0000000	w1	.1400000	w2	.1100000	w3	.0600000	SF	.0432444	LFr	.7246905
PRA	1.0400000	PRB	1.0150441	PRC	.9863440	L	.2766247	min	.0786677	max	.3175009
Si	4.274330	SAB	3.578804	Sf	3.236014	K	.1979570	z	.0408762	m	.0600000
n	.1100000	gam	25.102621	b-al	15.826319	the	105.82634	phi	115.10264		

N	2.0000000	w1	.1400000	w2	.1100000	w3	.0600000	SF	.0432444	LFr	.6321716
PRA	1.0500000	PRB	1.0170122	PRC	1.0096831	L	.1697655	min	.0786677	max	.3175009
Si	3.419456	SAB	3.151368	Sf	3.236014	K	.0910978	z	.1477355	m	.0600000
n	.1100000	gam	25.102621	b-al	15.826319	the	105.82634	phi	115.10264	2-LEVEL THRUST	

N	2.0000000	w1	.1400000	w2	.1100000	w3	.0600000	SF	.0432444	LFr	.5704937
PRA	1.0579433	PRB	1.0099734	PRC	1.1200821	L	.0985279	min	.0786677	max	.3175009
Si	2.849556	SAB	2.860557	Sf	3.236014	K	.0198602	z	.2189730	m	.0600000
n	.1100000	gam	25.102621	b-al	15.826319	the	105.82634	phi	115.10264	2-LEVEL THRUST	

N	2.0000000	w1	.1400000	w2	.1100000	w3	.0700000	SF	.0465622	LFr	.7086649
PRA	1.0500000	PRB	.9999648	PRC	.9844916	L	.2447224	min	.0856585	max	.3144917
Si	3.989377	SAB	3.489957	Sf	3.242500	K	.1590638	z	.0697694	m	.0700000
n	.1100000	gam	25.102621	b-al	17.639436	the	107.63946	phi	115.10264		
N	2.0000000	w1	.1400000	w2	.1100000	w3	.0700000	SF	.0465622	LFr	.6324730
PRA	1.0600000	PRB	.9995253	PRC	1.0274060	L	.1616097	min	.0856585	max	.3144917
Si	3.324475	SAB	3.157506	Sf	3.242500	K	.0759511	z	.1528821	m	.0700000
n	.1100000	gam	25.102621	b-al	17.639436	the	107.63946	phi	115.10264	2-LEVEL THRUST	
N	2.0000000	w1	.1400000	w2	.1100000	w3	.0700000	SF	.0465622	LFr	.5780497
PRA	1.0658815	PRB	.9918140	PRC	1.1241131	L	.1022434	min	.0856585	max	.3144917
Si	2.849545	SAB	2.908304	Sf	3.242500	K	.0165849	z	.2122483	m	.0700000
n	.1100000	gam	25.102621	b-al	17.639436	the	107.63946	phi	115.10264	2-LEVEL THRUST	
N	2.0000000	w1	.1400000	w2	.1100000	w3	.0800000	SF	.0506935	LFr	.7013273
PRA	1.0600000	PRB	.9860836	PRC	.9816415	L	.2245712	min	.0922997	max	.3111329
Si	3.799407	SAB	3.449087	Sf	3.251198	K	.1322716	z	.0865616	m	.0800000
n	.1100000	gam	25.102621	b-al	19.470994	the	109.47102	phi	115.10264		
N	2.0000000	w1	.1400000	w2	.1100000	w3	.0800000	SF	.0506935	LFr	.6356754
PRA	1.0699367	PRB	.9838953	PRC	1.0399433	L	.1567249	min	.0922997	max	.3111329
Si	3.256637	SAB	3.177495	Sf	3.251198	K	.0644253	z	.1544079	m	.0800000
n	.1100000	gam	25.102621	b-al	19.470994	the	109.47102	phi	115.10264	2-LEVEL THRUST	
N	2.0000000	w1	.1400000	w2	.1100000	w3	.0800000	SF	.0506935	LFr	.5864344
PRA	1.0731215	PRB	.9769120	PRC	1.1264083	L	.1058388	min	.0922997	max	.3111329
Si	2.849548	SAB	2.954556	Sf	3.251198	K	.0135391	z	.2052941	m	.0800000
n	.1100000	gam	25.102621	b-al	19.470994	the	109.47102	phi	115.10264	2-LEVEL THRUST	
N	2.0000000	w1	.1400000	w2	.1100000	w3	.0900000	SF	.0557079	LFr	.7770319
PRA	1.0600000	PRB	.9770075	PRC	.9769704	L	.2874107	min	.0985797	max	.3074129
Si	4.274324	SAB	3.741141	Sf	3.262885	K	.1888310	z	.0200022	m	.0900000
n	.1100000	gam	25.102621	b-al	21.323511	the	111.32353	phi	115.10264		
N	2.0000000	w1	.1400000	w2	.1100000	w3	.0900000	SF	.0557079	LFr	.6992865
PRA	1.0700000	PRB	.9749644	PRC	.9769704	L	.2110844	min	.0985797	max	.3074129
Si	3.663713	SAB	3.435836	Sf	3.262885	K	.1125046	z	.0963286	m	.0900000
n	.1100000	gam	25.102621	b-al	21.323511	the	111.32353	phi	115.10264		
N	2.0000000	w1	.1400000	w2	.1100000	w3	.0900000	SF	.0557079	LFr	.6409769
PRA	1.0793716	PRB	.9719168	PRC	1.0475295	L	.1538391	min	.0985797	max	.3074129
Si	3.205751	SAB	3.204840	Sf	3.262885	K	.0552594	z	.1535738	m	.0900000
n	.1100000	gam	25.102621	b-al	21.323511	the	111.32353	phi	115.10264	2-LEVEL THRUST	
N	2.0000000	w1	.1400000	w2	.1100000	w3	.0900000	SF	.0557079	LFr	.5956240
PRA	1.0797265	PRB	.9663169	PRC	1.1257355	L	.1093140	min	.0985797	max	.3074129
Si	2.849550	SAB	2.999479	Sf	3.262885	K	.0107342	z	.1980990	m	.0900000
n	.1100000	gam	25.102621	b-al	21.323511	the	111.32353	phi	115.10264	2-LEVEL THRUST	
N	2.0000000	w1	.1400000	w2	.1200000	w3	.0200000	SF	.0448294	LFr	.5541229
PRA	1.0200000	PRB	1.1222281	PRC	1.0969623	L	.0854168	min	.0522759	max	.3262159
Si	2.849543	SAB	2.644866	Sf	3.255941	K	.0331410	z	.2407991	m	.0200000
n	.1200000	gam	27.035633	b-al	8.714620	the	98.714643	phi	117.03566	2-LEVEL THRUST	
N	2.0000000	w1	.1400000	w2	.1200000	w3	.0300000	SF	.0458994	LFr	.6947107
PRA	1.0200000	PRB	1.0824013	PRC	.9750173	L	.2677364	min	.0605764	max	.3245165
Si	4.274328	SAB	3.408869	Sf	3.257653	K	.2071600	z	.0567801	m	.0300000
n	.1200000	gam	27.035633	b-al	10.475587	the	100.47561	phi	117.03566		
N	2.0000000	w1	.1400000	w2	.1200000	w3	.0300000	SF	.0458994	LFr	.5586558
PRA	1.0300012	PRB	1.0941393	PRC	1.1041657	L	.0896397	min	.0605764	max	.3245165
Si	2.849553	SAB	2.696485	Sf	3.257653	K	.0290632	z	.2348768	m	.0300000
n	.1200000	gam	27.035633	b-al	10.475587	the	100.47561	phi	117.03566	2-LEVEL THRUST	

N	2.0000000	w1	.1400000	w2	.1200000	w3	.0400000	SF	.0473309	LFr	.6605845
PRA	1.0300000	PRB	1.0672556	PRC	.9747153	L	.2124634	min	.0685616	max	.3225017
Si	3.799401	SAB	3.223530	Sf	3.260153	K	.1439018	z	.1100383	m	.0400000
n	.1200000	gam	27.035633	b-al	12.246622	the	102.24664	phi	117.03566		

N	2.0000000	w1	.1400000	w2	.1200000	w3	.0400000	SF	.0473309	LFr	.5638332
PRA	1.0398424	PRB	1.0676606	PRC	1.1111251	L	.0937328	min	.0685616	max	.3225017
Si	2.849556	SAB	2.748158	Sf	3.260153	K	.0251713	z	.2287688	m	.0400000
n	.1200000	gam	27.035633	b-al	12.246622	the	102.24664	phi	117.03566	2-LEVEL THRUST	

N	2.0000000	w1	.1400000	w2	.1200000	w3	.0500000	SF	.0493937	LFr	.6469641
PRA	1.0400000	PRB	1.0489303	PRC	.9854255	L	.1867466	min	.0762228	max	.3201628
Si	3.561944	SAB	3.157435	Sf	3.263660	K	.1105239	z	.1334162	m	.0500000
n	.1200000	gam	27.035633	b-al	14.029655	the	104.02968	phi	117.03566	2-LEVEL THRUST	

N	2.0000000	w1	.1400000	w2	.1200000	w3	.0500000	SF	.0493937	LFr	.5698652
PRA	1.0491004	PRB	1.0433127	PRC	1.1177314	L	.0976982	min	.0762228	max	.3201628
Si	2.849557	SAB	2.798678	Sf	3.263660	K	.0214755	z	.2224646	m	.0500000
n	.1200000	gam	27.035633	b-al	14.029655	the	104.02968	phi	117.03566	2-LEVEL THRUST	

N	2.0000000	w1	.1400000	w2	.1200000	w3	.0600000	SF	.0519886	LFr	.7398615
PRA	1.0400000	PRB	1.0265225	PRC	.9736178	L	.2796383	min	.0835609	max	.3175009
Si	4.274333	SAB	3.566753	Sf	3.268477	K	.1960774	z	.0378626	m	.0600000
n	.1200000	gam	27.035633	b-al	15.826319	the	105.82634	phi	117.03566		

N	2.0000000	w1	.1400000	w2	.1200000	w3	.0600000	SF	.0519886	LFr	.6419001
PRA	1.0500000	PRB	1.0298542	PRC	1.0109614	L	.1727791	min	.0835609	max	.3175009
Si	3.419459	SAB	3.139316	Sf	3.268477	K	.0892182	z	.1447218	m	.0600000
n	.1200000	gam	27.035633	b-al	15.826319	the	105.82634	phi	117.03566	2-LEVEL THRUST	

N	2.0000000	w1	.1400000	w2	.1200000	w3	.0600000	SF	.0519886	LFr	.5765925
PRA	1.0576162	PRB	1.0213197	PRC	1.1238544	L	.1015396	min	.0835609	max	.3175009
Si	2.849543	SAB	2.847565	Sf	3.268477	K	.0179788	z	.2159613	m	.0600000
n	.1200000	gam	27.035633	b-al	15.826319	the	105.82634	phi	117.03566	2-LEVEL THRUST	

N	2.0000000	w1	.1400000	w2	.1200000	w3	.0700000	SF	.0553064	LFr	.7220097
PRA	1.0500000	PRB	1.0108795	PRC	.9726634	L	.2477360	min	.0905517	max	.3144917
Si	3.989380	SAB	3.477905	Sf	3.274963	K	.1571843	z	.0667558	m	.0700000
n	.1200000	gam	27.035633	b-al	17.639436	the	107.63946	phi	117.03566		

N	2.0000000	w1	.1400000	w2	.1200000	w3	.0700000	SF	.0553064	LFr	.6415854
PRA	1.0600000	PRB	1.0110772	PRC	1.0297664	L	.1646233	min	.0905517	max	.3144917
Si	3.324478	SAB	3.145454	Sf	3.274963	K	.0740716	z	.1498685	m	.0700000
n	.1200000	gam	27.035633	b-al	17.639436	the	107.63946	phi	117.03566	2-LEVEL THRUST	

N	2.0000000	w1	.1400000	w2	.1200000	w3	.0700000	SF	.0553064	LFr	.5841389
PRA	1.0653765	PRB	1.0018331	PRC	1.1292510	L	.1052570	min	.0905517	max	.3144917
Si	2.849548	SAB	2.894813	Sf	3.274963	K	.0147054	z	.2092347	m	.0700000
n	.1200000	gam	27.035633	b-al	17.639436	the	107.63946	phi	117.03566	2-LEVEL THRUST	

N	2.0000000	w1	.1400000	w2	.1200000	w3	.0800000	SF	.0594387	LFr	.7134600
PRA	1.0600000	PRB	.9957616	PRC	.9712389	L	.2275849	min	.0971928	max	.3111329
Si	3.799410	SAB	3.437035	Sf	3.283661	K	.1303921	z	.0835480	m	.0800000
n	.1200000	gam	27.035633	b-al	19.470994	the	109.47102	phi	117.03566		

N	2.0000000	w1	.1400000	w2	.1200000	w3	.0800000	SF	.0594387	LFr	.6443529
PRA	1.0699101	PRB	.9935876	PRC	1.0440695	L	.1597386	min	.0971928	max	.3111329
Si	3.256640	SAB	3.165358	Sf	3.283661	K	.0625458	z	.1513943	m	.0800000
n	.1200000	gam	27.035633	b-al	19.470994	the	109.47102	phi	117.03566	2-LEVEL THRUST	

N	2.0000000	w1	.1400000	w2	.1200000	w3	.0800000	SF	.0594387	LFr	.5925207
PRA	1.0724212	PRB	.9850873	PRC	1.1336033	L	.1088524	min	.0971928	max	.3111329
Si	2.849551	SAB	2.940509	Sf	3.283661	K	.0116596	z	.2022805	m	.0800000
n	.1200000	gam	27.035633	b-al	19.470994	the	109.47102	phi	117.03566	2-LEVEL THRUST	

N	2.0000000	w1	.1400000	w2	.1200000	w3	.0900000	SF	.0644531	LFr	.7922001
PRA	1.0600000	PRB	.9837472	PRC	.9690273	L	.2904244	min	.1034729	max	.3074129
Si	4.274327	SAB	3.729090	Sf	3.295348	K	.1869515	z	.0169886	m	.0900000
n	.1200000	gam	27.035633	b-al	21.323511	the	111.32353	phi	117.03566		

N	2.0000000	w1	.1400000	w2	.1200000	w3	.0900000	SF	.0644531	LFr	.7105675
PRA	1.0700000	PRB	.9822918	PRC	.9798381	L	.2140980	min	.1034729	max	.3074129
Si	3.663716	SAB	3.423785	Sf	3.295348	K	.1106251	z	.0933150	m	.0900000
n	.1200000	gam	27.035633	b-al	21.323511	the	111.32353	phi	117.03566	2-LEVEL THRUST	

N	2.0000000	w1	.1400000	w2	.1200000	w3	.0900000	SF	.0644531	LFr	.6493426
PRA	1.0792604	PRB	.9787380	PRC	1.0546614	L	.1568527	min	.1034729	max	.3074129
Si	3.205754	SAB	3.192433	Sf	3.295348	K	.0533799	z	.1505602	m	.0900000
n	.1200000	gam	27.035633	b-al	21.323511	the	111.32353	phi	117.03566	2-LEVEL THRUST	

N	2.0000000	w1	.1400000	w2	.1200000	w3	.0900000	SF	.0644531	LFr	.6017218
PRA	1.0788176	PRB	.9715686	PRC	1.1363368	L	.1123276	min	.1034729	max	.3074129
Si	2.849553	SAB	2.984837	Sf	3.295348	K	.0088547	z	.1950854	m	.0900000
n	.1200000	gam	27.035633	b-al	21.323511	the	111.32353	phi	117.03566	2-LEVEL THRUST	

N	2.0000000	w1	.1400000	w2	.1200000	w3	.1000000	SF	.0705357	LFr	.7828779
PRA	1.0700000	PRB	.9738222	PRC	.9653281	L	.2683373	min	.1093781	max	.3033182
Si	4.070785	SAB	3.682391	Sf	3.311228	K	.1589591	z	.0349810	m	.1000000
n	.1200000	gam	27.035633	b-al	23.199708	the	113.19973	phi	117.03566		

N	2.0000000	w1	.1400000	w2	.1200000	w3	.1000000	SF	.0705357	LFr	.7116098
PRA	1.0800001	PRB	.9717495	PRC	.9940272	L	.2047310	min	.1093781	max	.3033182
Si	3.561935	SAB	3.427966	Sf	3.311228	K	.0953529	z	.0985872	m	.1000000
n	.1200000	gam	27.035633	b-al	23.199708	the	113.19973	phi	117.03566	2-LEVEL THRUST	

N	2.0000000	w1	.1400000	w2	.1200000	w3	.1000000	SF	.0705357	LFr	.6561804
PRA	1.0878547	PRB	.9679765	PRC	1.0612677	L	.1552601	min	.1093781	max	.3033182
Si	3.166167	SAB	3.223290	Sf	3.311228	K	.0458820	z	.1480581	m	.1000000
n	.1200000	gam	27.035633	b-al	23.199708	the	113.19973	phi	117.03566	2-LEVEL THRUST	

N	2.0000000	w1	.1400000	w2	.1200000	w3	.1000000	SF	.0705357	LFr	.6118355
PRA	1.0846502	PRB	.9623565	PRC	1.1362990	L	.1156826	min	.1093781	max	.3033182
Si	2.849548	SAB	3.028032	Sf	3.311228	K	.0063045	z	.1876356	m	.1000000
n	.1200000	gam	27.035633	b-al	23.199708	the	113.19973	phi	117.03566	2-LEVEL THRUST	

N	2.0000000	w1	.1600000	w2	.0400000	w3	.0200000	SF	.0056048	LFr	.5724535
PRA	1.0200000	PRB	.9999778	PRC	1.2261600	L	.0844288	min	.0239601	max	.3059628
Si	2.849556	SAB	2.648831	Sf	3.147427	K	.0604687	z	.2215340	m	.0200000
n	.0400000	gam	13.050236	b-al	9.281672	the	99.281695	phi	103.05026		

N	2.0000000	w1	.1600000	w2	.0500000	w3	.0200000	SF	.0076494	LFr	.5779305
PRA	1.0200000	PRB	1.0147085	PRC	1.1910061	L	.0858307	min	.0264574	max	.3059628
Si	2.849554	SAB	2.643222	Sf	3.149743	K	.0593733	z	.2201321	m	.0200000
n	.0500000	gam	14.955219	b-al	9.281672	the	99.281695	phi	104.95524		

N	2.0000000	w1	.1600000	w2	.0500000	w3	.0300000	SF	.0087347	LFr	.6565447
PRA	1.0200000	PRB	.9958092	PRC	1.1848584	L	.2681046	min	.0346467	max	.3041521
Si	4.274340	SAB	3.407408	Sf	3.150891	K	.2334579	z	.0360475	m	.0300000
n	.0500000	gam	14.955219	b-al	11.159840	the	101.15986	phi	104.95524		

N	2.0000000	w1	.1600000	w2	.0500000	w3	.0300000	SF	.0087347	LFr	.5839815
PRA	1.0300000	PRB	.9947015	PRC	1.1848584	L	.0900059	min	.0346467	max	.3041521
Si	2.849551	SAB	2.695014	Sf	3.150891	K	.0553592	z	.2141462	m	.0300000
n	.0500000	gam	14.955219	b-al	11.159840	the	101.15986	phi	104.95524		

N	2.0000000	w1	.1600000	w2	.0600000	w3	.0200000	SF	.0102911	LFr	.5835676
PRA	1.0200000	PRB	1.0305493	PRC	1.1603092	L	.0874538	min	.0293052	max	.3059628
Si	2.849557	SAB	2.636733	Sf	3.152889	K	.0581486	z	.2185089	m	.0200000
n	.0600000	gam	16.876945	b-al	9.281672	the	99.281695	phi	106.87697	2-LEVEL THRUST	

N	2.0000000	w1	.1600000	w2	.0600000	w3	.0300000	SF	.0113764	LFr	.6711302
PRA	1.0200000	PRB	1.0066758	PRC	1.1533434	L	.2697258	min	.0374945	max	.3041521
Si	4.274328	SAB	3.400912	Sf	3.154037	K	.2322313	z	.0344263	m	.0300000
n	.0600000	gam	16.876945	b-al	11.159840	the	101.15986	phi	106.87697		

N	2.0000000	w1	.1600000	w2	.0600000	w3	.0300000	SF	.0113764	LFr	.5894966
PRA	1.0300000	PRB	1.0084398	PRC	1.1633296	L	.0916290	min	.0374945	max	.3041521
Si	2.849554	SAB	2.688525	Sf	3.154037	K	.0541345	z	.2125230	m	.0300000
n	.0600000	gam	16.876945	b-al	11.159840	the	101.15986	phi	106.87697	2-LEVEL THRUST	

N	2.0000000	w1	.1600000	w2	.0600000	w3	.0400000	SF	.0128298	LFr	.6565008
PRA	1.0300000	PRB	.9913893	PRC	1.1467442	L	.2143993	min	.0453450	max	.3020026
Si	3.799403	SAB	3.215788	Sf	3.155703	K	.1690543	z	.0876032	m	.0400000
n	.0600000	gam	16.876945	b-al	13.050236	the	103.05026	phi	106.87697		

N	2.0000000	w1	.1600000	w2	.0600000	w3	.0400000	SF	.0128298	LFr	.5960322
PRA	1.0400000	PRB	.9898712	PRC	1.1631338	L	.0956688	min	.0453450	max	.3020026
Si	2.849558	SAB	2.740865	Sf	3.155703	K	.0503238	z	.2063338	m	.0400000
n	.0600000	gam	16.876945	b-al	13.050236	the	103.05026	phi	106.87697	2-LEVEL THRUST	

N	2.0000000	w1	.1600000	w2	.0700000	w3	.0200000	SF	.0136376	LFr	.5893974
PRA	1.0200000	PRB	1.0469523	PRC	1.1468895	L	.0893173	min	.0325280	max	.3059628
Si	2.849548	SAB	2.629270	Sf	3.157066	K	.0567894	z	.2166455	m	.0200000
n	.0700000	gam	18.818803	b-al	9.281672	the	99.281695	phi	108.81882	2-LEVEL THRUST	

N	2.0000000	w1	.1600000	w2	.0700000	w3	.0300000	SF	.0147228	LFr	.6859217
PRA	1.0200000	PRB	1.0185842	PRC	1.1227108	L	.2715912	min	.0407173	max	.3041521
Si	4.274335	SAB	3.393457	Sf	3.158214	K	.2308740	z	.0325609	m	.0300000
n	.0700000	gam	18.818803	b-al	11.159840	the	101.15986	phi	108.81882		

N	2.0000000	w1	.1600000	w2	.0700000	w3	.0300000	SF	.0147228	LFr	.5952168
PRA	1.0300000	PRB	1.0233947	PRC	1.1510430	L	.0934925	min	.0407173	max	.3041521
Si	2.849545	SAB	2.681062	Sf	3.158214	K	.0527753	z	.2106596	m	.0300000
n	.0700000	gam	18.818803	b-al	11.159840	the	101.15986	phi	108.81882	2-LEVEL THRUST	

N	2.0000000	w1	.1600000	w2	.0700000	w3	.0400000	SF	.0161762	LFr	.6681709
PRA	1.0300000	PRB	1.0022849	PRC	1.1185909	L	.2162647	min	.0485678	max	.3020026
Si	3.799409	SAB	3.208332	Sf	3.159880	K	.1676970	z	.0857379	m	.0400000
n	.0700000	gam	18.818803	b-al	13.050236	the	103.05026	phi	108.81882		

N	2.0000000	w1	.1600000	w2	.0700000	w3	.0400000	SF	.0161762	LFr	.6016541
PRA	1.0400000	PRB	1.0024516	PRC	1.1531970	L	.0975323	min	.0485678	max	.3020026
Si	2.849549	SAB	2.733403	Sf	3.159880	K	.0489645	z	.2044703	m	.0400000
n	.0700000	gam	18.818803	b-al	13.050236	the	103.05026	phi	108.81882	2-LEVEL THRUST	

N	2.0000000	w1	.1600000	w2	.0700000	w3	.0500000	SF	.0182562	LFr	.6633263
PRA	1.0400000	PRB	.9871415	PRC	1.1117246	L	.1904850	min	.0560703	max	.2995052
Si	3.561933	SAB	3.142471	Sf	3.162195	K	.1344147	z	.1090202	m	.0500000
n	.0700000	gam	18.818803	b-al	14.955219	the	104.95524	phi	108.81882		

N	2.0000000	w1	.1600000	w2	.0700000	w3	.0500000	SF	.0182562	LFr	.6089039
PRA	1.0499978	PRB	.9851336	PRC	1.1520470	L	.1014366	min	.0560703	max	.2995052
Si	2.849546	SAB	2.786270	Sf	3.162195	K	.0453663	z	.1980685	m	.0500000
n	.0700000	gam	18.818803	b-al	14.955219	the	104.95524	phi	108.81882	2-LEVEL THRUST	

N	2.0000000	w1	.1600000	w2	.0800000	w3	.0200000	SF	.0177879	LFr	.5954523
PRA	1.0200000	PRB	1.0635676	PRC	1.1345871	L	.0914345	min	.0361300	max	.3059628
Si	2.849561	SAB	2.620815	Sf	3.162563	K	.0553045	z	.2145283	m	.0200000
n	.0800000	gam	20.783323	b-al	9.281672	the	99.281695	phi	110.78334	2-LEVEL THRUST	

N	2.0000000	w1	.1600000	w2	.0800000	w3	.0300000	SF	.0188732	LFr	.7009487
PRA	1.0200000	PRB	1.0310729	PRC	1.0937159	L	.2737064	min	.0443193	max	.3041521
Si	4.274332	SAB	3.384993	Sf	3.163711	K	.2293872	z	.0304456	m	.0300000
n	.0800000	gam	20.783323	b-al	11.159840	the	101.15986	phi	110.78334		

N	2.0000000	wl	.1600000	w2	.0800000	w3	.0300000	SF	.0188732	LFr	.6011744
PRA	1.0300000	PRB	1.0388534	PRC	1.1394823	L	.0956097	min	.0443193	max	.3041521
Si	2.849558	SAB	2.672606	Sf	3.163711	K	.0512904	z	.2085424	m	.0300000
n	.0800000	gam	20.783323	b-al	11.159840	the	101.15986	phi	110.78334	2-LEVEL THRUST	
N	2.0000000	wl	.1600000	w2	.0800000	w3	.0400000	SF	.0203266	LFr	.6800881
PRA	1.0300000	PRB	1.0144802	PRC	1.0909965	L	.2183800	min	.0521698	max	.3020026
Si	3.799407	SAB	3.199869	Sf	3.165377	K	.1662102	z	.0836226	m	.0400000
n	.0800000	gam	20.783323	b-al	13.050236	the	103.05026	phi	110.78334		
N	2.0000000	wl	.1600000	w2	.0800000	w3	.0400000	SF	.0203266	LFr	.6075258
PRA	1.0400000	PRB	1.0162810	PRC	1.1430193	L	.0996494	min	.0521698	max	.3020026
Si	2.849562	SAB	2.724947	Sf	3.165377	K	.0474797	z	.2023531	m	.0400000
n	.0800000	gam	20.783323	b-al	13.050236	the	103.05026	phi	110.78334	2-LEVEL THRUST	
N	2.0000000	wl	.1600000	w2	.0800000	w3	.0500000	SF	.0224075	LFr	.6736584
PRA	1.0400000	PRB	.9976551	PRC	1.0867066	L	.1926022	min	.0596723	max	.2995052
Si	3.561946	SAB	3.134015	Sf	3.167692	K	.1329298	z	.1069030	m	.0500000
n	.0800000	gam	20.783323	b-al	14.955219	the	104.95524	phi	110.78334		
N	2.0000000	wl	.1600000	w2	.0800000	w3	.0500000	SF	.0224075	LFr	.6147003
PRA	1.0499928	PRB	.9963800	PRC	1.1445025	L	.1035538	min	.0596723	max	.2995052
Si	2.849559	SAB	2.777801	Sf	3.167692	K	.0438814	z	.1959514	m	.0500000
n	.0800000	gam	20.783323	b-al	14.955219	the	104.95524	phi	110.78334	2-LEVEL THRUST	
N	2.0000000	wl	.1600000	w2	.0800000	w3	.0600000	SF	.0250301	LFr	.7495403
PRA	1.0400000	PRB	.9851769	PRC	1.0797379	L	.2854252	min	.0668246	max	.2966574
Si	4.274331	SAB	3.543604	Sf	3.170838	K	.2186006	z	.0112322	m	.0600000
n	.0800000	gam	20.783323	b-al	16.876944	the	106.87697	phi	110.78334		
N	2.0000000	wl	.1600000	w2	.0800000	w3	.0600000	SF	.0250301	LFr	.6733484
PRA	1.0500000	PRB	.9831436	PRC	1.0797379	L	.1785660	min	.0668246	max	.2966574
Si	3.419458	SAB	3.116167	Sf	3.170838	K	.1117414	z	.1180914	m	.0600000
n	.0800000	gam	20.783323	b-al	16.876944	the	106.87697	phi	110.78334		
N	2.0000000	wl	.1600000	w2	.0800000	w3	.0600000	SF	.0250301	LFr	.6225548
PRA	1.0597826	PRB	.9803885	PRC	1.1426094	L	.1073284	min	.0668246	max	.2966574
Si	2.849557	SAB	2.830598	Sf	3.170838	K	.0405039	z	.1893290	m	.0600000
n	.0800000	gam	20.783323	b-al	16.876944	the	106.87697	phi	110.78334	2-LEVEL THRUST	
N	2.0000000	wl	.1600000	w2	.0900000	w3	.0200000	SF	.0228520	LFr	.6017599
PRA	1.0200000	PRB	1.0802176	PRC	1.1237305	L	.0938168	min	.0401270	max	.3059628
Si	2.849554	SAB	2.611278	Sf	3.169761	K	.0536898	z	.2121460	m	.0200000
n	.0900000	gam	22.773790	b-al	9.281672	the	99.281695	phi	112.77381	2-LEVEL THRUST	
N	2.0000000	wl	.1600000	w2	.0900000	w3	.0300000	SF	.0239372	LFr	.7162457
PRA	1.0200000	PRB	1.0439410	PRC	1.0666807	L	.2760906	min	.0483163	max	.3041521
Si	4.274340	SAB	3.375464	Sf	3.170909	K	.2277744	z	.0280615	m	.0300000
n	.0900000	gam	22.773790	b-al	11.159840	the	101.15986	phi	112.77381		
N	2.0000000	wl	.1600000	w2	.0900000	w3	.0300000	SF	.0239372	LFr	.6074000
PRA	1.0300000	PRB	1.0544950	PRC	1.1291632	L	.0979920	min	.0483163	max	.3041521
Si	2.849551	SAB	2.663070	Sf	3.170909	K	.0496757	z	.2061601	m	.0300000
n	.0900000	gam	22.773790	b-al	11.159840	the	101.15986	phi	112.77381	2-LEVEL THRUST	
N	2.0000000	wl	.1600000	w2	.0900000	w3	.0400000	SF	.0253906	LFr	.6922884
PRA	1.0300000	PRB	1.0274121	PRC	1.0648351	L	:2207642	min	.0561668	max	.3020026
Si	3.799414	SAB	3.190340	Sf	3.172574	K	.1645974	z	.0812384	m	.0400000
n	.0900000	gam	22.773790	b-al	13.050236	the	103.05026	phi	112.77381		
N	2.0000000	wl	.1600000	w2	.0900000	w3	.0400000	SF	.0253906	LFr	.6136780
PRA	1.0400000	PRB	1.0306450	PRC	1.1336194	L	.1020317	min	.0561668	max	.3020026
Si	2.849555	SAB	2.715410	Sf	3.172574	K	.0458650	z	.1999709	m	.0400000
n	.0900000	gam	22.773790	b-al	13.050236	the	103.05026	phi	112.77381	2-LEVEL THRUST	

N	2.0000000	wl	.1600000	w2	.0900000	w3	.0500000	SF	.0274706	LFr	.6842833
PRA	1.0400000	PRB	1.0096891	PRC	1.0620166	L	.1949844	min	.0636693	max	.2995052
Si	3.561938	SAB	3.124479	Sf	3.174889	K	.1313151	z	.1045207	m	.0500000
n	.0900000	gam	22.773790	b-al	14.955219	the	104.95524	phi	112.77381		

N	2.0000000	wl	.1600000	w2	.0900000	w3	.0500000	SF	.0274706	LFr	.6207905
PRA	1.0499843	PRB	1.0089915	PRC	1.1366777	L	.1059361	min	.0636693	max	.2995052
Si	2.849551	SAB	2.768240	Sf	3.174889	K	.0422667	z	.1935691	m	.0500000
n	.0900000	gam	22.773790	b-al	14.955219	the	104.95524	phi	112.77381	2-LEVEL THRUST	

N	2.0000000	wl	.1600000	w2	.0900000	w3	.0600000	SF	.0300932	LFr	.7646504
PRA	1.0400000	PRB	.9939375	PRC	1.0576888	L	.2878075	min	.0708216	max	.2966574
Si	4.274324	SAB	3.534067	Sf	3.178036	K	.2169859	z	.0088499	m	.0600000
n	.0900000	gam	22.773790	b-al	16.876944	the	106.87697	phi	112.77381		

N	2.0000000	wl	.1600000	w2	.0900000	w3	.0600000	SF	.0300932	LFr	.6830177
PRA	1.0500000	PRB	.9931034	PRC	1.0576888	L	.1809502	min	.0708216	max	.2966574
Si	3.419465	SAB	3.106638	Sf	3.178036	K	.1101286	z	.1157072	m	.0600000
n	.0900000	gam	22.773790	b-al	16.876944	the	106.87697	phi	112.77381		

N	2.0000000	wl	.1600000	w2	.0900000	w3	.0600000	SF	.0300932	LFr	.6285944
PRA	1.0597228	PRB	.9902941	PRC	1.1376495	L	.1097107	min	.0708216	max	.2966574
Si	2.849549	SAB	2.820890	Sf	3.178036	K	.0388892	z	.1869467	m	.0600000
n	.0900000	gam	22.773790	b-al	16.876944	the	106.87697	phi	112.77381	2-LEVEL THRUST	

N	2.0000000	wl	.1600000	w2	.0900000	w3	.0700000	SF	.0334387	LFr	.7533074
PRA	1.0500000	PRB	.9813858	PRC	1.0507702	L	.2558308	min	.0775988	max	.2934346
Si	3.989375	SAB	3.445521	Sf	3.182213	K	.1782320	z	.0376038	m	.0700000
n	.0900000	gam	22.773790	b-al	18.818803	the	108.81882	phi	112.77381		

N	2.0000000	wl	.1600000	w2	.0900000	w3	.0700000	SF	.0334387	LFr	.6855803
PRA	1.0600000	PRB	.9793979	PRC	1.0507702	L	.1727181	min	.0775988	max	.2934346
Si	3.324474	SAB	3.113070	Sf	3.182213	K	.0951193	z	.1207165	m	.0700000
n	.0900000	gam	22.773790	b-al	18.818803	the	108.81882	phi	112.77381		

N	2.0000000	wl	.1600000	w2	.0900000	w3	.0700000	SF	.0334387	LFr	.6372061
PRA	1.0690084	PRB	.9758174	PRC	1.1351602	L	.1133537	min	.0775988	max	.2934346
Si	2.849559	SAB	2.872788	Sf	3.182213	K	.0357550	z	.1800808	m	.0700000
n	.0900000	gam	22.773790	b-al	18.818803	the	108.81882	phi	112.77381	2-LEVEL THRUST	

N	2.0000000	wl	.1600000	w2	.1000000	w3	.0200000	SF	.0289488	LFr	.6083565
PRA	1.0200000	PRB	1.0968154	PRC	1.1145752	L	.0964851	min	.0445351	max	.3059628
Si	2.849553	SAB	2.600604	Sf	3.179195	K	.0519501	z	.2094777	m	.0200000
n	.1000000	gam	24.793708	b-al	9.281672	the	99.281695	phi	114.79373	2-LEVEL THRUST	

N	2.0000000	wl	.1600000	w2	.1000000	w3	.0300000	SF	.0300341	LFr	.7318440
PRA	1.0200000	PRB	1.0570963	PRC	1.0417896	L	.2787590	min	.0527243	max	.3041521
Si	4.274340	SAB	3.364790	Sf	3.180343	K	.2260347	z	.0253931	m	.0300000
n	.1000000	gam	24.793708	b-al	11.159840	the	101.15986	phi	114.79373		

N	2.0000000	wl	.1600000	w2	.1000000	w3	.0300000	SF	.0300341	LFr	.6139279
PRA	1.0300000	PRB	1.0701663	PRC	1.1204291	L	.1006603	min	.0527243	max	.3041521
Si	2.849550	SAB	2.652396	Sf	3.180343	K	.0479360	z	.2034917	m	.0300000
n	.1000000	gam	24.793708	b-al	11.159840	the	101.15986	phi	114.79373	2-LEVEL THRUST	

N	2.0000000	wl	.1600000	w2	.1000000	w3	.0400000	SF	.0314875	LFr	.7048044
PRA	1.0300000	PRB	1.0408348	PRC	1.0405263	L	.2234306	min	.0605748	max	.3020026
Si	3.799399	SAB	3.179658	Sf	3.182008	K	.1628558	z	.0785719	m	.0400000
n	.1000000	gam	24.793708	b-al	13.050236	the	103.05026	phi	114.79373		

N	2.0000000	wl	.1600000	w2	.1000000	w3	.0400000	SF	.0314875	LFr	.6201487
PRA	1.0400000	PRB	1.0452241	PRC	1.1255556	L	.1047001	min	.0605748	max	.3020026
Si	2.849554	SAB	2.704736	Sf	3.182008	K	.0441253	z	.1973025	m	.0400000
n	.1000000	gam	24.793708	b-al	13.050236	the	103.05026	phi	114.79373	2-LEVEL THRUST	

N	2.0000000	wl	.1600000	w2	.1000000	w3	.0500000	SF	.0335684	LFr	.6952410		
PRA	1.0400000	PRB	1.0225964	PRC	1.0386382	L	.1976528	min	.0680774	max	.2995052		
Si	3.561938	SAB	3.113805	Sf	3.184323	K	.1295754	z	.1018523	m	.0500000		
n	.1000000	gam	24.793708	b-al	14.955219	the	104.95524	phi	114.79373				
N	2.0000000	wl	.1600000	w2	.1000000	w3	.0500000	SF	.0335684	LFr	.6272125		
PRA	1.0499701	PRB	1.0222145	PRC	1.1296804	L	.1086044	min	.0680774	max	.2995052		
Si	2.849551	SAB	2.757525	Sf	3.184323	K	.0405270	z	.1909007	m	.0500000		
n	.1000000	gam	24.793708	b-al	14.955219	the	104.95524	phi	114.79373	2-LEVEL THRUST			
N	2.0000000	wl	.1600000	w2	.1000000	w3	.0600000	SF	.0361910	LFr	.7801075		
PRA	1.0400000	PRB	1.0042023	PRC	1.0358295	L	.2904759	min	.0752296	max	.2966574		
Si	4.274323	SAB	3.523393	Sf	3.187470	K	.2152462	z	.0061815	m	.0600000		
n	.1000000	gam	24.793708	b-al	16.876944	the	106.87697	phi	114.79373				
N	2.0000000	wl	.1600000	w2	.1000000	w3	.0600000	SF	.0361910	LFr	.6930323		
PRA	1.0500000	PRB	1.0047824	PRC	1.0358295	L	.1836186	min	.0752296	max	.2966574		
Si	3.419465	SAB	3.095964	Sf	3.187470	K	.1083889	z	.1130388	m	.0600000		
n	.1000000	gam	24.793708	b-al	16.876944	the	106.87697	phi	114.79373				
N	2.0000000	wl	.1600000	w2	.1000000	w3	.0600000	SF	.0361910	LFr	.6349812		
PRA	1.0596465	PRB	1.0017165	PRC	1.1323878	L	.1123791	min	.0752296	max	.2966574		
Si	2.849549	SAB	2.809998	Sf	3.187470	K	.0371495	z	.1842783	m	.0600000		
n	.1000000	gam	24.793708	b-al	16.876944	the	106.87697	phi	114.79373	2-LEVEL THRUST			
N	2.0000000	wl	.1600000	w2	.1000000	w3	.0700000	SF	.0395365	LFr	.7669268		
PRA	1.0500000	PRB	.9898241	PRC	1.0315849	L	.2584992	min	.0820068	max	.2934346		
Si	3.989375	SAB	3.434847	Sf	3.191647	K	.1764923	z	.0349354	m	.0700000		
n	.1000000	gam	24.793708	b-al	18.818803	the	108.81882	phi	114.79373				
N	2.0000000	wl	.1600000	w2	.1000000	w3	.0700000	SF	.0395365	LFr	.6949673		
PRA	1.0600000	PRB	.9687312	PRC	1.0404933	L	.1753864	min	.0820068	max	.2934346		
Si	3.324473	SAB	3.102397	Sf	3.191647	K	.0933796	z	.1180481	m	.0700000		
n	.1000000	gam	24.793708	b-al	18.818803	the	108.81882	phi	114.79373	2-LEVEL THRUST			
N	2.0000000	wl	.1600000	w2	.1000000	w3	.0700000	SF	.0395365	LFr	.6435700		
PRA	1.0688423	PRB	.9844349	PRC	1.1329553	L	.1160221	min	.0820068	max	.2934346		
Si	2.849559	SAB	2.861640	Sf	3.191647	K	.0340153	z	.1774125	m	.0700000		
n	.1000000	gam	24.793708	b-al	18.818803	the	108.81882	phi	114.79373	2-LEVEL THRUST			
N	2.0000000	wl	.1600000	w2	.1000000	w3	.0800000	SF	.0436964	LFr	.7618446		
PRA	1.0600000	PRB	.9778216	PRC	1.0248645	L	.2382660	min	.0884048	max	.2898326		
Si	3.799401	SAB	3.394302	Sf	3.197144	K	.1498612	z	.0515666	m	.0800000		
n	.1000000	gam	24.793708	b-al	20.783323	the	110.78334	phi	114.79373				
N	2.0000000	wl	.1600000	w2	.1000000	w3	.0800000	SF	.0436964	LFr	.6996479		
PRA	1.0700000	PRB	.9758213	PRC	1.0491353	L	.1704197	min	.0884048	max	.2898326		
Si	3.256631	SAB	3.122917	Sf	3.197144	K	.0820149	z	.1194129	m	.0800000		
n	.1000000	gam	24.793708	b-al	20.783323	the	110.78334	phi	114.79373	2-LEVEL THRUST			
N	2.0000000	wl	.1600000	w2	.1000000	w3	.0800000	SF	.0436964	LFr	.6530008		
PRA	1.0775171	PRB	.9714827	PRC	1.1300309	L	.1195355	min	.0884048	max	.2898326		
Si	2.849557	SAB	2.912305	Sf	3.197144	K	.0311306	z	.1702971	m	.0800000		
n	.1000000	gam	24.793708	b-al	20.783323	the	110.78334	phi	114.79373	2-LEVEL THRUST			
N	2.0000000	wl	.1600000	w2	.1100000	w3	.0200000	SF	.0362225	LFr	.6152868		
PRA	1.0200000	PRB	1.1133163	PRC	1.1074238	L	.0994606	min	.0493746	max	.3059628		
Si	2.849559	SAB	2.588708	Sf	3.191651	K	.0500860	z	.2065022	m	.0200000		
n	.1100000	gam	26.847105	b-al	9.281672	the	99.281695	phi	116.84713	2-LEVEL THRUST			
N	2.0000000	wl	.1600000	w2	.1100000	w3	.0300000	SF	.0373078	LFr	.7477904		
PRA	1.0200000	PRB	1.0704920	PRC	1.0192289	L	.2817326	min	.0575639	max	.3041521		
Si	4.274330	SAB	3.352887	Sf	3.192799	K	.2241687	z	.0224195	m	.0300000		
n	.1100000	gam	26.847105	b-al	11.159840	the	101.15986	phi	116.84713				

N	2.0000000	w1	.1600000	w2	.1100000	w3	.0300000	SF	.0373078	LFr	.6208048		
PRA	1.0300000	PRB	1.0857848	PRC	1.1136322	L	.1036358	min	.0575639	max	.3041521		
Si	2.849556	SAB	2.640500	Sf	3.192799	K	.0460719	z	.2005163	m	.0300000		
n	.1100000	gam	26.847105	b-al	11.159840	the	101.15986	phi	116.84713	2-LEVEL THRUST			
N	2.0000000	w1	.1600000	w2	.1100000	w3	.0400000	SF	.0387611	LFr	.7176857		
PRA	1.0300000	PRB	1.0546256	PRC	1.0183716	L	.2264061	min	.0654144	max	.3020026		
Si	3.799404	SAB	3.167762	Sf	3.194465	K	.1609917	z	.0755965	m	.0400000		
n	.1100000	gam	26.847105	b-al	13.050236	the	103.05026	phi	116.84713				
N	2.0000000	w1	.1600000	w2	.1100000	w3	.0400000	SF	.0387611	LFr	.6269808		
PRA	1.0400000	PRB	1.0598524	PRC	1.1192919	L	.1076737	min	.0654144	max	.3020026		
Si	2.849545	SAB	2.692832	Sf	3.194465	K	.0422593	z	.1943289	m	.0400000		
n	.1100000	gam	26.847105	b-al	13.050236	the	103.05026	phi	116.84713	2-LEVEL THRUST			
N	2.0000000	w1	.1600000	w2	.1100000	w3	.0500000	SF	.0408421	LFr	.7065792		
PRA	1.0400000	PRB	1.0360893	PRC	1.0171081	L	.2006283	min	.0729170	max	.2995052		
Si	3.561944	SAB	3.101908	Sf	3.196780	K	.1277113	z	.0988769	m	.0500000		
n	.1100000	gam	26.847105	b-al	14.955219	the	104.95524	phi	116.84713				
N	2.0000000	w1	.1600000	w2	.1100000	w3	.0500000	SF	.0408421	LFr	.6340160		
PRA	1.0499475	PRB	1.0357074	PRC	1.1242008	L	.1115799	min	.0729170	max	.2995052		
Si	2.849557	SAB	2.745565	Sf	3.196780	K	.0386629	z	.1879253	m	.0500000		
n	.1100000	gam	26.847105	b-al	14.955219	the	104.95524	phi	116.84713	2-LEVEL THRUST			
N	2.0000000	w1	.1600000	w2	.1100000	w3	.0600000	SF	.0434647	LFr	.7959595		
PRA	1.0400000	PRB	1.0153324	PRC	1.0152667	L	.2934513	min	.0800692	max	.2966574		
Si	4.274329	SAB	3.511497	Sf	3.199926	K	.2133821	z	.0032061	m	.0600000		
n	.1100000	gam	26.847105	b-al	16.876944	the	106.87697	phi	116.84713				
N	2.0000000	w1	.1600000	w2	.1100000	w3	.0600000	SF	.0434647	LFr	.7034426		
PRA	1.0500000	PRB	1.0174580	PRC	1.0197637	L	.1865940	min	.0800692	max	.2966574		
Si	3.419470	SAB	3.084068	Sf	3.199926	K	.1065248	z	.1100634	m	.0600000		
n	.1100000	gam	26.847105	b-al	16.876944	the	106.87697	phi	116.84713	2-LEVEL THRUST			
N	2.0000000	w1	.1600000	w2	.1100000	w3	.0600000	SF	.0434647	LFr	.6417627		
PRA	1.0595498	PRB	1.0138459	PRC	1.1280990	L	.1153546	min	.0800692	max	.2966574		
Si	2.849555	SAB	2.797827	Sf	3.199926	K	.0352854	z	.1813028	m	.0600000		
n	.1100000	gam	26.847105	b-al	16.876944	the	106.87697	phi	116.84713	2-LEVEL THRUST			
N	2.0000000	w1	.1600000	w2	.1100000	w3	.0700000	SF	.0468102	LFr	.7809563		
PRA	1.0500000	PRB	.9999641	PRC	1.0125740	L	.2614746	min	.0868464	max	.2934346		
Si	3.989381	SAB	3.422951	Sf	3.204103	K	.1746282	z	.0319600	m	.0700000		
n	.1100000	gam	26.847105	b-al	18.818803	the	108.81882	phi	116.84713				
N	2.0000000	w1	.1600000	w2	.1100000	w3	.0700000	SF	.0468102	LFr	.7047644		
PRA	1.0600000	PRB	.9998913	PRC	1.0368715	L	.1783619	min	.0868464	max	.2934346		
Si	3.324479	SAB	3.090500	Sf	3.204103	K	.0915155	z	.1150727	m	.0700000		
n	.1100000	gam	26.847105	b-al	18.818803	the	108.81882	phi	116.84713	2-LEVEL THRUST			
N	2.0000000	w1	.1600000	w2	.1100000	w3	.0700000	SF	.0468102	LFr	.6503410		
PRA	1.0686434	PRB	.9947151	PRC	1.1305496	L	.1189957	min	.0868464	max	.2934346		
Si	2.849549	SAB	2.849169	Sf	3.204103	K	.0321493	z	.1744389	m	.0700000		
n	.1100000	gam	26.847105	b-al	18.818803	the	108.81882	phi	116.84713	2-LEVEL THRUST			
N	2.0000000	w1	.1600000	w2	.1100000	w3	.0800000	SF	.0509701	LFr	.7746706		
PRA	1.0600000	PRB	.9858092	PRC	1.0085413	L	.2412415	min	.0932444	max	.2898326		
Si	3.799407	SAB	3.382406	Sf	3.209601	K	.1479971	z	.0485911	m	.0800000		
n	.1100000	gam	26.847105	b-al	20.783323	the	110.78334	phi	116.84713				
N	2.0000000	w1	.1600000	w2	.1100000	w3	.0800000	SF	.0509701	LFr	.7090187		
PRA	1.0700000	PRB	.9842756	PRC	1.0481692	L	.1733952	min	.0932444	max	.2898326		
Si	3.256637	SAB	3.111021	Sf	3.209601	K	.0801508	z	.1164374	m	.0800000		
n	.1100000	gam	26.847105	b-al	20.783323	the	110.78334	phi	116.84713	2-LEVEL THRUST			

N	2.0000000	w1	.1600000	w2	.1100000	w3	.0800000	SF	.0509701	LFr	.6597776
PRA	1.0771991	PRB	.9788650	PRC	1.1308526	L	.1225090	min	.0932444	max	.2898326
Si	2.849547	SAB	2.899494	Sf	3.209601	K	.0292646	z	.1673236	m	.0800000
n	.1100000	gam	26.847105	b-al	20.783323	the	110.78334	phi	116.84713	2-LEVEL THRUST	
N	2.0000000	w1	.1600000	w2	.1100000	w3	.0900000	SF	.0560036	LFr	.7737236
PRA	1.0700000	PRB	.9744715	PRC	1.0021749	L	.2276650	min	.0992477	max	.2858359
Si	3.663704	SAB	3.369505	Sf	3.216798	K	.1284173	z	.0581709	m	.0900000
n	.1100000	gam	26.847105	b-al	22.773790	the	112.77381	phi	116.84713		
N	2.0000000	w1	.1600000	w2	.1100000	w3	.0900000	SF	.0560036	LFr	.7154141
PRA	1.0799039	PRB	.9720500	PRC	1.0538429	L	.1704197	min	.0992477	max	.2858359
Si	3.205742	SAB	3.140215	Sf	3.216798	K	.0711720	z	.1154162	m	.0900000
n	.1100000	gam	26.847105	b-al	22.773790	the	112.77381	phi	116.84713	2-LEVEL THRUST	
N	2.0000000	w1	.1600000	w2	.1100000	w3	.0900000	SF	.0560036	LFr	.6700630
PRA	1.0852462	PRB	.9673822	PRC	1.1276336	L	.1258965	min	.0992477	max	.2858359
Si	2.849556	SAB	2.948884	Sf	3.216798	K	.0266488	z	.1599394	m	.0900000
n	.1100000	gam	26.847105	b-al	22.773790	the	112.77381	phi	116.84713	2-LEVEL THRUST	
N	2.0000000	w1	.1600000	w2	.1200000	w3	.0200000	SF	.0448341	LFr	.6225996
PRA	1.0200000	PRB	1.1297024	PRC	1.1027148	L	.1027641	min	.0546685	max	.3059628
Si	2.849551	SAB	2.575485	Sf	3.208384	K	.0480957	z	.2031987	m	.0200000
n	.1200000	gam	28.938463	b-al	9.281672	the	99.281695	phi	118.93848	2-LEVEL THRUST	
N	2.0000000	w1	.1600000	w2	.1200000	w3	.0300000	SF	.0459194	LFr	.7641392
PRA	1.0200000	PRB	1.0841086	PRC	.9992796	L	.2850380	min	.0628578	max	.3041521
Si	4.274337	SAB	3.339672	Sf	3.209532	K	.2221803	z	.0191141	m	.0300000
n	.1200000	gam	28.938463	b-al	11.159840	the	101.15986	phi	118.93848		
N	2.0000000	w1	.1600000	w2	.1200000	w3	.0300000	SF	.0459194	LFr	.6280813
PRA	1.0300000	PRB	1.1013074	PRC	1.1092445	L	.1069393	min	.0628578	max	.3041521
Si	2.849547	SAB	2.627277	Sf	3.209532	K	.0440816	z	.1972128	m	.0300000
n	.1200000	gam	28.938463	b-al	11.159840	the	101.15986	phi	118.93848	2-LEVEL THRUST	
N	2.0000000	w1	.1600000	w2	.1200000	w3	.0400000	SF	.0473728	LFr	.7309847
PRA	1.0300000	PRB	1.0687263	PRC	.9987133	L	.2297115	min	.0707083	max	.3020026
Si	3.799411	SAB	3.154547	Sf	3.211197	K	.1590033	z	.0722910	m	.0400000
n	.1200000	gam	28.938463	b-al	13.050236	the	103.05026	phi	118.93848		
N	2.0000000	w1	.1600000	w2	.1200000	w3	.0400000	SF	.0473728	LFr	.6342325
PRA	1.0400000	PRB	1.0744432	PRC	1.1153488	L	.1109791	min	.0707083	max	.3020026
Si	2.849551	SAB	2.679617	Sf	3.211197	K	.0402709	z	.1910235	m	.0400000
n	.1200000	gam	28.938463	b-al	13.050236	the	103.05026	phi	118.93848	2-LEVEL THRUST	
N	2.0000000	w1	.1600000	w2	.1200000	w3	.0500000	SF	.0494537	LFr	.7183495
PRA	1.0400000	PRB	1.0500265	PRC	.9978867	L	.2039318	min	.0782108	max	.2995052
Si	3.561935	SAB	3.088686	Sf	3.213512	K	.1257210	z	.0955733	m	.0500000
n	.1200000	gam	28.938463	b-al	14.955219	the	104.95524	phi	118.93848		
N	2.0000000	w1	.1600000	w2	.1200000	w3	.0500000	SF	.0494537	LFr	.6412516
PRA	1.0499138	PRB	1.0492949	PRC	1.1208890	L	.1148834	min	.0782108	max	.2995052
Si	2.849548	SAB	2.732246	Sf	3.213512	K	.0366726	z	.1846217	m	.0500000
n	.1200000	gam	28.938463	b-al	14.955219	the	104.95524	phi	118.93848	2-LEVEL THRUST	
N	2.0000000	w1	.1600000	w2	.1200000	w3	.0600000	SF	.0520764	LFr	.7143021
PRA	1.0500000	PRB	1.0307709	PRC	1.0162135	L	.1898975	min	.0853631	max	.2966574
Si	3.419462	SAB	3.070845	Sf	3.216659	K	.1045345	z	.1067598	m	.0600000
n	.1200000	gam	28.938463	b-al	16.876944	the	106.87697	phi	118.93848	2-LEVEL THRUST	
N	2.0000000	w1	.1600000	w2	.1200000	w3	.0600000	SF	.0520764	LFr	.6489945
PRA	1.0594285	PRB	1.0263133	PRC	1.1256816	L	.1186581	min	.0853631	max	.2966574
Si	2.849546	SAB	2.784258	Sf	3.216659	K	.0332950	z	.1779993	m	.0600000
n	.1200000	gam	28.938463	b-al	16.876944	the	106.87697	phi	118.93848	2-LEVEL THRUST	

N	2.0000000	w1	.1600000	w2	.1200000	w3	.0700000	SF	.0554218	LFr	.7954531		
PRA	1.0500000	PRB	1.0110970	PRC	.9950019	L	.2647782	min	.0921403	max	.2934346		
Si	3.989372	SAB	3.409729	Sf	3.220836	K	.1726379	z	.0286564	m	.0700000		
n	.1200000	gam	28.938463	b-al	18.818803	the	108.81882	phi	118.93848				
N	2.0000000	w1	.1600000	w2	.1200000	w3	.0700000	SF	.0554218	LFr	.7150278		
PRA	1.0600000	PRB	1.0120194	PRC	1.0342204	L	.1816654	min	.0921403	max	.2934346		
Si	3.324470	SAB	3.077278	Sf	3.220836	K	.0895252	z	.1117691	m	.0700000		
n	.1200000	gam	28.938463	b-al	18.818803	the	108.81882	phi	118.93848	2-LEVEL THRUST			
N	2.0000000	w1	.1600000	w2	.1200000	w3	.0700000	SF	.0554218	LFr	.6575832		
PRA	1.0684052	PRB	1.0058008	PRC	1.1294352	L	.1223011	min	.0921403	max	.2934346		
Si	2.849556	SAB	2.835276	Sf	3.220836	K	.0301609	z	.1711335	m	.0700000		
n	.1200000	gam	28.938463	b-al	18.818803	the	108.81882	phi	118.93848	2-LEVEL THRUST			
N	2.0000000	w1	.1600000	w2	.1200000	w3	.0800000	SF	.0595818	LFr	.7879801		
PRA	1.0600000	PRB	.9956763	PRC	.9925381	L	.2445450	min	.0985383	max	.2898326		
Si	3.799399	SAB	3.369183	Sf	3.226333	K	.1460068	z	.0452876	m	.0800000		
n	.1200000	gam	28.938463	b-al	20.783323	the	110.78334	phi	118.93848				
N	2.0000000	w1	.1600000	w2	.1200000	w3	.0800000	SF	.0595818	LFr	.7188721		
PRA	1.0700012	PRB	.9945713	PRC	1.0471761	L	.1766987	min	.0985383	max	.2898326		
Si	3.256628	SAB	3.097801	Sf	3.226333	K	.0781605	z	.1131339	m	.0800000		
n	.1200000	gam	28.938463	b-al	20.783323	the	110.78334	phi	118.93848	2-LEVEL THRUST			
N	2.0000000	w1	.1600000	w2	.1200000	w3	.0800000	SF	.0595818	LFr	.6670418		
PRA	1.0768272	PRB	.9880546	PRC	1.1317471	L	.1258144	min	.0985383	max	.2898326		
Si	2.849554	SAB	2.885220	Sf	3.226333	K	.0272762	z	.1640181	m	.0800000		
n	.1200000	gam	28.938463	b-al	20.783323	the	110.78334	phi	118.93848	2-LEVEL THRUST			
N	2.0000000	w1	.1600000	w2	.1200000	w3	.0900000	SF	.0646153	LFr	.7862053		
PRA	1.0700000	PRB	.9819419	PRC	.9888576	L	.2309704	min	.1045416	max	.2858359		
Si	3.663711	SAB	3.356289	Sf	3.233531	K	.1264288	z	.0548655	m	.0900000		
n	.1200000	gam	28.938463	b-al	22.773790	the	112.77381	phi	118.93848				
N	2.0000000	w1	.1600000	w2	.1200000	w3	.0900000	SF	.0646153	LFr	.7249804		
PRA	1.0798692	PRB	.9794401	PRC	1.0558122	L	.1737251	min	.1045416	max	.2858359		
Si	3.205749	SAB	3.126889	Sf	3.233531	K	.0691836	z	.1121107	m	.0900000		
n	.1200000	gam	28.938463	b-al	22.773790	the	112.77381	phi	118.93848	2-LEVEL THRUST			
N	2.0000000	w1	.1600000	w2	.1200000	w3	.0900000	SF	.0646153	LFr	.6773596		
PRA	1.0847302	PRB	.9735875	PRC	1.1319147	L	.1292000	min	.1045416	max	.2858359		
Si	2.849548	SAB	2.934190	Sf	3.233531	K	.0246584	z	.1566359	m	.0900000		
n	.1200000	gam	28.938463	b-al	22.773790	the	112.77381	phi	118.93848	2-LEVEL THRUST			
N	2.0000000	w1	.1600000	w2	.1200000	w3	.1000000	SF	.0706978	LFr	.7884140		
PRA	1.0800000	PRB	.9713132	PRC	.9934185	L	.2215099	min	.1101331	max	.2814274		
Si	3.561945	SAB	3.360861	Sf	3.242964	K	.1113768	z	.0599175	m	.1000000		
n	.1200000	gam	28.938463	b-al	24.793730	the	114.79375	phi	118.93848	2-LEVEL THRUST			
N	2.0000000	w1	.1600000	w2	.1200000	w3	.1000000	SF	.0706978	LFr	.7329817		
PRA	1.0892846	PRB	.9682451	PRC	1.0596758	L	.1720371	min	.1101331	max	.2814274		
Si	3.166163	SAB	3.160704	Sf	3.242964	K	.0619040	z	.1093903	m	.1000000		
n	.1200000	gam	28.938463	b-al	24.793730	the	114.79375	phi	118.93848	2-LEVEL THRUST			
N	2.0000000	w1	.1600000	w2	.1200000	w3	.1000000	SF	.0706978	LFr	.6886397		
PRA	1.0921779	PRB	.9634953	PRC	1.1285734	L	.1324616	min	.1101331	max	.2814274		
Si	2.849558	SAB	2.982378	Sf	3.242964	K	.0223285	z	.1489659	m	.1000000		
n	.1200000	gam	28.938463	b-al	24.793730	the	114.79375	phi	118.93848	2-LEVEL THRUST			
N	2.0000000	w1	.1600000	w2	.1300000	w3	.0200000	SF	.0549774	LFr	.6303463		
PRA	1.0200000	PRB	1.1459700	PRC	1.1011619	L	.1064263	min	.0604439	max	.3059628		
Si	2.849552	SAB	2.560838	Sf	3.231518	K	.0459824	z	.1995366	m	.0200000		
n	.1300000	gam	31.072922	b-al	9.281672	the	99.281695	phi	121.07294	2-LEVEL THRUST			

N	2.0000000	w1	.1600000	w2	.1300000	w3	.0300000	SF	.0560627	LFr	.7809382
PRA	1.0200000	PRB	1.0979427	PRC	.9824482	L	.2887001	min	.0686331	max	.3041521
Si	4.274338	SAB	3.325024	Sf	3.232666	K	.2200670	z	.0154520	m	.0300000
n	.1300000	gam	31.072922	b-al	11.159840	the	101.15986	phi	121.07294		

N	2.0000000	w1	.1600000	w2	.1300000	w3	.0300000	SF	.0560627	LFr	.6358099
PRA	1.0300000	PRB	1.1167130	PRC	1.1080041	L	.1106014	min	.0686331	max	.3041521
Si	2.849549	SAB	2.612630	Sf	3.232666	K	.0419683	z	.1935506	m	.0300000
n	.1300000	gam	31.072922	b-al	11.159840	the	101.15986	phi	121.07294	2-LEVEL THRUST	

N	2.0000000	w1	.1600000	w2	.1300000	w3	.0400000	SF	.0575161	LFr	.7447519
PRA	1.0300000	PRB	1.0831101	PRC	.9820953	L	.2333717	min	.0764836	max	.3020026
Si	3.799397	SAB	3.139892	Sf	3.234331	K	.1568881	z	.0686308	m	.0400000
n	.1300000	gam	31.072922	b-al	13.050236	the	103.05026	phi	121.07294		

N	2.0000000	w1	.1600000	w2	.1300000	w3	.0400000	SF	.0575161	LFr	.6419544
PRA	1.0400010	PRB	1.0889434	PRC	1.1145163	L	.1146412	min	.0764836	max	.3020026
Si	2.849553	SAB	2.664973	Sf	3.234331	K	.0381576	z	.1873614	m	.0400000
n	.1300000	gam	31.072922	b-al	13.050236	the	103.05026	phi	121.07294	2-LEVEL THRUST	

N	2.0000000	w1	.1600000	w2	.1300000	w3	.0500000	SF	.0595970	LFr	.7306099
PRA	1.0400000	PRB	1.0643313	PRC	.9892569	L	.2075939	min	.0839862	max	.2995052
Si	3.561936	SAB	3.074039	Sf	3.236646	K	.1236077	z	.0919112	m	.0500000
n	.1300000	gam	31.072922	b-al	14.955219	the	104.95524	phi	121.07294	2-LEVEL THRUST	

N	2.0000000	w1	.1600000	w2	.1300000	w3	.0500000	SF	.0595970	LFr	.6489754
PRA	1.0498646	PRB	1.0628768	PRC	1.1205968	L	.1185455	min	.0839862	max	.2995052
Si	2.849549	SAB	2.717459	Sf	3.236646	K	.0345593	z	.1809596	m	.0500000
n	.1300000	gam	31.072922	b-al	14.955219	the	104.95524	phi	121.07294	2-LEVEL THRUST	

N	2.0000000	w1	.1600000	w2	.1300000	w3	.0600000	SF	.0622196	LFr	.7256699
PRA	1.0500000	PRB	1.0444844	PRC	1.0149247	L	.1935597	min	.0911384	max	.2966574
Si	3.419463	SAB	3.056198	Sf	3.239793	K	.1024212	z	.1030977	m	.0600000
n	.1300000	gam	31.072922	b-al	16.876944	the	106.87697	phi	121.07294	2-LEVEL THRUST	

N	2.0000000	w1	.1600000	w2	.1300000	w3	.0600000	SF	.0622196	LFr	.6567335
PRA	1.0592762	PRB	1.0389257	PRC	1.1261131	L	.1223202	min	.0911384	max	.2966574
Si	2.849547	SAB	2.769177	Sf	3.239793	K	.0311818	z	.1743372	m	.0600000
n	.1300000	gam	31.072922	b-al	16.876944	the	106.87697	phi	121.07294	2-LEVEL THRUST	

N	2.0000000	w1	.1600000	w2	.1300000	w3	.0700000	SF	.0655651	LFr	.8104763
PRA	1.0500000	PRB	1.0229010	PRC	.9798340	L	.2684403	min	.0979156	max	.2934346
Si	3.989373	SAB	3.395081	Sf	3.243970	K	.1705246	z	.0249943	m	.0700000
n	.1300000	gam	31.072922	b-al	18.818803	the	108.81882	phi	121.07294		

N	2.0000000	w1	.1600000	w2	.1300000	w3	.0700000	SF	.0655651	LFr	.7258186
PRA	1.0600000	PRB	1.0247095	PRC	1.0336688	L	.1853275	min	.0979156	max	.2934346
Si	3.324472	SAB	3.062631	Sf	3.243970	K	.0874119	z	.1081070	m	.0700000
n	.1300000	gam	31.072922	b-al	18.818803	the	108.81882	phi	121.07294	2-LEVEL THRUST	

N	2.0000000	w1	.1600000	w2	.1300000	w3	.0700000	SF	.0655651	LFr	.6653509
PRA	1.0681209	PRB	1.0172946	PRC	1.1308601	L	.1259632	min	.0979156	max	.2934346
Si	2.849557	SAB	2.819819	Sf	3.243970	K	.0280476	z	.1674714	m	.0700000
n	.1300000	gam	31.072922	b-al	18.818803	the	108.81882	phi	121.07294	2-LEVEL THRUST	

N	2.0000000	w1	.1600000	w2	.1300000	w3	.0800000	SF	.0697250	LFr	.8018322
PRA	1.0600000	PRB	1.0066532	PRC	.9783777	L	.2482071	min	.1043136	max	.2898326
Si	3.799400	SAB	3.354536	Sf	3.249467	K	.1438935	z	.0416255	m	.0800000
n	.1300000	gam	31.072922	b-al	20.783323	the	110.78334	phi	121.07294		

N	2.0000000	w1	.1600000	w2	.1300000	w3	.0800000	SF	.0697250	LFr	.7292690
PRA	1.0700003	PRB	1.0058407	PRC	1.0478235	L	.1803608	min	.1043136	max	.2898326
Si	3.256629	SAB	3.083151	Sf	3.249467	K	.0760472	z	.1094718	m	.0800000
n	.1300000	gam	31.072922	b-al	20.783323	the	110.78334	phi	121.07294	2-LEVEL THRUST	

N	2.0000000	w1	.1600000	w2	.1300000	w3	.0800000	SF	.0697250	LFr	.6748476
PRA	1.0763929	PRB	.9981450	PRC	1.1345855	L	.1294766	min	.1043136	max	.2898326
Si	2.849555	SAB	2.869335	Sf	3.249467	K	.0251629	z	.1603560	m	.0800000
n	.1300000	gam	31.072922	b-al	20.783323	the	110.78334	phi	121.07294	2-LEVEL THRUST	

N	2.0000000	w1	.1600000	w2	.1300000	w3	.0900000	SF	.0747576	LFr	.7992468
PRA	1.0700000	PRB	.9914514	PRC	.9829731	L	.2346325	min	.1103169	max	.2858359
Si	3.663712	SAB	3.341642	Sf	3.256664	K	.1243156	z	.0512034	m	.0900000
n	.1300000	gam	31.072922	b-al	22.773790	the	112.77381	phi	121.07294	2-LEVEL THRUST	

N	2.0000000	w1	.1600000	w2	.1300000	w3	.0900000	SF	.0747576	LFr	.7351065
PRA	1.0798242	PRB	.9887582	PRC	1.0583510	L	.1773872	min	.1103169	max	.2858359
Si	3.205750	SAB	3.112097	Sf	3.256664	K	.0670703	z	.1084486	m	.0900000
n	.1300000	gam	31.072922	b-al	22.773790	the	112.77381	phi	121.07294	2-LEVEL THRUST	

N	2.0000000	w1	.1600000	w2	.1300000	w3	.0900000	SF	.0747576	LFr	.6852179
PRA	1.0841352	PRB	.9817345	PRC	1.1368845	L	.1328621	min	.1103169	max	.2858359
Si	2.849549	SAB	2.917848	Sf	3.256664	K	.0225452	z	.1529738	m	.0900000
n	.1300000	gam	31.072922	b-al	22.773790	the	112.77381	phi	121.07294	2-LEVEL THRUST	

N	2.0000000	w1	.1600000	w2	.1300000	w3	.1000000	SF	.0808411	LFr	.8008757
PRA	1.0800000	PRB	.9781671	PRC	.9978434	L	.2251721	min	.1159085	max	.2814274
Si	3.561946	SAB	3.346214	Sf	3.266098	K	.1092636	z	.0562554	m	.1000000
n	.1300000	gam	31.072922	b-al	24.793730	the	114.79375	phi	121.07294	2-LEVEL THRUST	

N	2.0000000	w1	.1600000	w2	.1300000	w3	.1000000	SF	.0808411	LFr	.7429237
PRA	1.0891546	PRB	.9745546	PRC	1.0654014	L	.1756992	min	.1159085	max	.2814274
Si	3.166164	SAB	3.145645	Sf	3.266098	K	.0597908	z	.1057282	m	.1000000
n	.1300000	gam	31.072922	b-al	24.793730	the	114.79375	phi	121.07294	2-LEVEL THRUST	

N	2.0000000	w1	.1600000	w2	.1300000	w3	.1000000	SF	.0808411	LFr	.6965637
PRA	1.0914161	PRB	.9685772	PRC	1.1370760	L	.1361218	min	.1159085	max	.2814274
Si	2.849544	SAB	2.965551	Sf	3.266098	K	.0202133	z	.1453057	m	.1000000
n	.1300000	gam	31.072922	b-al	24.793730	the	114.79375	phi	121.07294	2-LEVEL THRUST	

N	2.0000000	w1	.1600000	w2	.1300000	w3	.1100000	SF	.0881109	LFr	.8722019
PRA	1.0800000	PRB	.9702709	PRC	.9680454	L	.2728310	min	.1210693	max	.2765882
Si	3.918135	SAB	3.580263	Sf	3.278555	K	.1517617	z	.0037572	m	.1100000
n	.1300000	gam	31.072922	b-al	26.847105	the	116.84713	phi	121.07294		

N	2.0000000	w1	.1600000	w2	.1300000	w3	.1100000	SF	.0881109	LFr	.8056860
PRA	1.0899814	PRB	.9680914	PRC	1.0071654	L	.2184124	min	.1210693	max	.2765882
Si	3.482787	SAB	3.362523	Sf	3.278555	K	.0973432	z	.0581758	m	.1100000
n	.1300000	gam	31.072922	b-al	26.847105	the	116.84713	phi	121.07294	2-LEVEL THRUST	

N	2.0000000	w1	.1600000	w2	.1300000	w3	.1100000	SF	.0881109	LFr	.7524719
PRA	1.0979216	PRB	.9645497	PRC	1.0682354	L	.1748772	min	.1210693	max	.2765882
Si	3.134505	SAB	3.181932	Sf	3.278555	K	.0538079	z	.1017110	m	.1100000
n	.1300000	gam	31.072922	b-al	26.847105	the	116.84713	phi	121.07294	2-LEVEL THRUST	

N	2.0000000	w1	.1600000	w2	.1300000	w3	.1100000	SF	.0881109	LFr	.7089338
PRA	1.0983206	PRB	.9598017	PRC	1.1338275	L	.1392574	min	.1210693	max	.2765882
Si	2.849547	SAB	3.012687	Sf	3.278555	K	.0181882	z	.1373308	m	.1100000
n	.1300000	gam	31.072922	b-al	26.847105	the	116.84713	phi	121.07294	2-LEVEL THRUST	

N	2.0000000	w1	.1600000	w2	.1400000	w3	.0200000	SF	.0669060	LFr	.6385965
PRA	1.0200000	PRB	1.1621232	PRC	1.1042030	L	.1104755	min	.0667301	max	.3059628
Si	2.849552	SAB	2.544641	Sf	3.265333	K	.0437455	z	.1954872	m	.0200000
n	.1400000	gam	33.256142	b-al	9.281672	the	99.281695	phi	123.25617	2-LEVEL THRUST	

N	2.0000000	w1	.1600000	w2	.1400000	w3	.0300000	SF	.0679913	LFr	.7982607
PRA	1.0200000	PRB	1.1120020	PRC	.9698285	L	.2927494	min	.0749194	max	.3041521
Si	4.274338	SAB	3.308827	Sf	3.266482	K	.2178300	z	.0114027	m	.0300000
n	.1400000	gam	33.256142	b-al	11.159840	the	101.15986	phi	123.25617		

N	2.0000000	w1	.1600000	w2	.1400000	w3	.0300000	SF	.0679913	LFr	.6440621		
PRA	1.0300000	PRB	1.1319924	PRC	1.1113725	L	.1146507	min	.0749194	max	.3041521		
Si	2.849549	SAB	2.596432	Sf	3.266482	K	.0397314	z	.1895013	m	.0300000		
n	.1400000	gam	33.256142	b-al	11.159840	the	101.15986	phi	123.25617	2-LEVEL THRUST			
N	2.0000000	w1	.1600000	w2	.1400000	w3	.0400000	SF	.0694447	LFr	.7590637		
PRA	1.0300000	PRB	1.0977688	PRC	.9696352	L	.2374230	min	.0827699	max	.3020026		
Si	3.799412	SAB	3.123703	Sf	3.268147	K	.1546531	z	.0645796	m	.0400000		
n	.1400000	gam	33.256142	b-al	13.050236	the	103.05026	phi	123.25617				
N	2.0000000	w1	.1600000	w2	.1400000	w3	.0400000	SF	.0694447	LFr	.6502180		
PRA	1.0399981	PRB	1.1033274	PRC	1.1182873	L	.1186905	min	.0827699	max	.3020026		
Si	2.849553	SAB	2.648767	Sf	3.268147	K	.0359206	z	.1833121	m	.0400000		
n	.1400000	gam	33.256142	b-al	13.050236	the	103.05026	phi	123.25617	2-LEVEL THRUST			
N	2.0000000	w1	.1600000	w2	.1400000	w3	.0500000	SF	.0715246	LFr	.7434321		
PRA	1.0400000	PRB	1.0789264	PRC	.9912938	L	.2116432	min	.0902725	max	.2995052		
Si	3.561936	SAB	3.057841	Sf	3.270462	K	.1213708	z	.0878619	m	.0500000		
n	.1400000	gam	33.256142	b-al	14.955219	the	104.95524	phi	123.25617	2-LEVEL THRUST			
N	2.0000000	w1	.1600000	w2	.1400000	w3	.0500000	SF	.0715246	LFr	.6572628		
PRA	1.0497949	PRB	1.0763973	PRC	1.1248687	L	.1225948	min	.0902725	max	.2995052		
Si	2.849549	SAB	2.701063	Sf	3.270462	K	.0323224	z	.1769103	m	.0500000		
n	.1400000	gam	33.256142	b-al	14.955219	the	104.95524	phi	123.25617	2-LEVEL THRUST			
N	2.0000000	w1	.1600000	w2	.1400000	w3	.0600000	SF	.0741472	LFr	.7376194		
PRA	1.0500000	PRB	1.0584586	PRC	1.0173706	L	.1976090	min	.0974247	max	.2966574		
Si	3.419463	SAB	3.040001	Sf	3.273609	K	.1001843	z	.0990484	m	.0600000		
n	.1400000	gam	33.256142	b-al	16.876944	the	106.87697	phi	123.25617	2-LEVEL THRUST			
N	2.0000000	w1	.1600000	w2	.1400000	w3	.0600000	SF	.0741472	LFr	.6650553		
PRA	1.0590865	PRB	1.0515716	PRC	1.1310196	L	.1263695	min	.0974247	max	.2966574		
Si	2.849547	SAB	2.752439	Sf	3.273609	K	.0289448	z	.1702879	m	.0600000		
n	.1400000	gam	33.256142	b-al	16.876944	the	106.87697	phi	123.25617	2-LEVEL THRUST			
N	2.0000000	w1	.1600000	w2	.1400000	w3	.0700000	SF	.0774927	LFr	.8260994		
PRA	1.0500000	PRB	1.0352086	PRC	.9684126	L	.2724896	min	.1042019	max	.2934346		
Si	3.989373	SAB	3.378884	Sf	3.277786	K	.1682877	z	.0209450	m	.0700000		
n	.1400000	gam	33.256142	b-al	18.818803	the	108.81882	phi	123.25617				
N	2.0000000	w1	.1600000	w2	.1400000	w3	.0700000	SF	.0774927	LFr	.7372084		
PRA	1.0600000	PRB	1.0377420	PRC	1.0368107	L	.1893768	min	.1042019	max	.2934346		
Si	3.324472	SAB	3.046433	Sf	3.277786	K	.0851750	z	.1040577	m	.0700000		
n	.1400000	gam	33.256142	b-al	18.818803	the	108.81882	phi	123.25617	2-LEVEL THRUST			
N	2.0000000	w1	.1600000	w2	.1400000	w3	.0700000	SF	.0774927	LFr	.6737175		
PRA	1.0677815	PRB	1.0289824	PRC	1.1365881	L	.1300125	min	.1042019	max	.2934346		
Si	2.849557	SAB	2.802654	Sf	3.277786	K	.0258106	z	.1634221	m	.0700000		
n	.1400000	gam	33.256142	b-al	18.818803	the	108.81882	phi	123.25617	2-LEVEL THRUST			
N	2.0000000	w1	.1600000	w2	.1400000	w3	.0800000	SF	.0816527	LFr	.8163061		
PRA	1.0600000	PRB	1.0183818	PRC	.9676416	L	.2522564	min	.1105999	max	.2898326		
Si	3.799400	SAB	3.338339	Sf	3.283283	K	.1416565	z	.0375762	m	.0800000		
n	.1400000	gam	33.256142	b-al	20.783323	the	110.78334	phi	123.25617				
N	2.0000000	w1	.1600000	w2	.1400000	w3	.0800000	SF	.0816527	LFr	.7402878		
PRA	1.0699973	PRB	1.0176679	PRC	1.0519531	L	.1844101	min	.1105999	max	.2898326		
Si	3.256629	SAB	3.066944	Sf	3.283283	K	.0738102	z	.1054225	m	.0800000		
n	.1400000	gam	33.256142	b-al	20.783323	the	110.78334	phi	123.25617	2-LEVEL THRUST			
N	2.0000000	w1	.1600000	w2	.1400000	w3	.0800000	SF	.0816527	LFr	.6832743		
PRA	1.0758856	PRB	1.0087055	PRC	1.1414089	L	.1335259	min	.1105999	max	.2898326		
Si	2.849555	SAB	2.851692	Sf	3.283283	K	.0229260	z	.1563067	m	.0800000		
n	.1400000	gam	33.256142	b-al	20.783323	the	110.78334	phi	123.25617	2-LEVEL THRUST			

N	2.0000000	w1	.1600000	w2	.1400000	w3	.0900000	SF	.0866861	LFr	.8129301				
PRA	1.0700000	PRB	1.0021363	PRC	.9873763	L	.2386818	min	.1166032	max	.2858359				
Si	3.663712	SAB	3.325445	Sf	3.290480	K	.1220786	z	.0471541	m	.0900000				
n	.1400000	gam	33.256142	b-al	22.773790	the	112.77381	phi	123.25617	2-LEVEL THRUST					
N	2.0000000	w1	.1600000	w2	.1400000	w3	.0900000	SF	.0866861	LFr	.7458744				
PRA	1.0797663	PRB	.9990997	PRC	1.0638724	L	.1814366	min	.1166032	max	.2858359				
Si	3.205750	SAB	3.095715	Sf	3.290480	K	.0648334	z	.1043993	m	.0900000				
n	.1400000	gam	33.256142	b-al	22.773790	the	112.77381	phi	123.25617	2-LEVEL THRUST					
N	2.0000000	w1	.1600000	w2	.1400000	w3	.0900000	SF	.0866861	LFr	.6937189				
PRA	1.0834487	PRB	.9908679	PRC	1.1452264	L	.1369114	min	.1166032	max	.2858359				
Si	2.849549	SAB	2.899694	Sf	3.290480	K	.0203082	z	.1489245	m	.0900000				
n	.1400000	gam	33.256142	b-al	22.773790	the	112.77381	phi	123.25617	2-LEVEL THRUST					
N	2.0000000	w1	.1600000	w2	.1400000	w3	.1000000	SF	.0927687	LFr	.8139982				
PRA	1.0800000	PRB	.9870890	PRC	1.0039217	L	.2292214	min	.1221948	max	.2814274				
Si	3.561946	SAB	3.330017	Sf	3.299914	K	.1070266	z	.0522061	m	.1000000				
n	.1400000	gam	33.256142	b-al	24.793730	the	114.79375	phi	123.25617	2-LEVEL THRUST					
N	2.0000000	w1	.1600000	w2	.1400000	w3	.1000000	SF	.0927687	LFr	.7535277				
PRA	1.0889999	PRB	.9828987	PRC	1.0729861	L	.1797486	min	.1221948	max	.2814274				
Si	3.166164	SAB	3.128958	Sf	3.299914	K	.0575538	z	.1016789	m	.1000000				
n	.1400000	gam	33.256142	b-al	24.793730	the	114.79375	phi	123.25617	2-LEVEL THRUST					
N	2.0000000	w1	.1600000	w2	.1400000	w3	.1000000	SF	.0927687	LFr	.7051516				
PRA	1.0905444	PRB	.9757265	PRC	1.1476607	L	.1401711	min	.1221948	max	.2814274				
Si	2.849544	SAB	2.946870	Sf	3.299914	K	.0179763	z	.1412564	m	.1000000				
n	.1400000	gam	33.256142	b-al	24.793730	the	114.79375	phi	123.25617	2-LEVEL THRUST					
N	2.0000000	w1	.1600000	w2	.1400000	w3	.1100000	SF	.1000395	LFr	.8184080				
PRA	1.0899688	PRB	.9740839	PRC	1.0162019	L	.2224617	min	.1273555	max	.2765882				
Si	3.482787	SAB	3.346282	Sf	3.312371	K	.0951062	z	.0541265	m	.1100000				
n	.1400000	gam	33.256142	b-al	26.847105	the	116.84713	phi	123.25617	2-LEVEL THRUST					
N	2.0000000	w1	.1600000	w2	.1400000	w3	.1100000	SF	.1000395	LFr	.7629776				
PRA	1.0976474	PRB	.9698001	PRC	1.0791955	L	.1789265	min	.1273555	max	.2765882				
Si	3.134505	SAB	3.164875	Sf	3.312371	K	.0515710	z	.0976617	m	.1100000				
n	.1400000	gam	33.256142	b-al	26.847105	the	116.84713	phi	123.25617	2-LEVEL THRUST					
N	2.0000000	w1	.1600000	w2	.1400000	w3	.1100000	SF	.1000395	LFr	.7176247				
PRA	1.0972620	PRB	.9638079	PRC	1.1480826	L	.1433067	min	.1273555	max	.2765882				
Si	2.849547	SAB	2.993473	Sf	3.312371	K	.0159512	z	.1332814	m	.1100000				
n	.1400000	gam	33.256142	b-al	26.847105	the	116.84713	phi	123.25617	2-LEVEL THRUST					
N	2.0000000	w1	.1600000	w2	.1400000	w3	.1200000	SF	.1086531	LFr	.8884192				
PRA	1.0900000	PRB	.9673746	PRC	.9663674	L	.2650490	min	.1320616	max	.2712943				
Si	3.799400	SAB	3.561151	Sf	3.329103	K	.1329874	z	.0062453	m	.1200000				
n	.1400000	gam	33.256142	b-al	28.938462	the	118.93848	phi	123.25617	2-LEVEL THRUST					
N	2.0000000	w1	.1600000	w2	.1400000	w3	.1200000	SF	.1086531	LFr	.8255301				
PRA	1.0996367	PRB	.9647318	PRC	1.0239982	L	.2175560	min	.1320616	max	.2712943				
Si	3.419456	SAB	3.369935	Sf	3.329103	K	.0854944	z	.0537383	m	.1200000				
n	.1400000	gam	33.256142	b-al	28.938462	the	118.93848	phi	123.25617	2-LEVEL THRUST					
N	2.0000000	w1	.1600000	w2	.1400000	w3	.1200000	SF	.1086531	LFr	.7740774				
PRA	1.1057639	PRB	.9609986	PRC	1.0816931	L	.1786995	min	.1320616	max	.2712943				
Si	3.108604	SAB	3.202584	Sf	3.329103	K	.0466379	z	.0925948	m	.1200000				
n	.1400000	gam	33.256142	b-al	28.938462	the	118.93848	phi	123.25617	2-LEVEL THRUST					
N	2.0000000	w1	.1600000	w2	.1400000	w3	.1200000	SF	.1086531	LFr	.7311993				
PRA	1.1037036	PRB	.9562754	PRC	1.1452509	L	.1463184	min	.1320616	max	.2712943				
Si	2.849555	SAB	3.039791	Sf	3.329103	K	.0142569	z	.1249758	m	.1200000				
n	.1400000	gam	33.256142	b-al	28.938462	the	118.93848	phi	123.25617	2-LEVEL THRUST					

N	2.0000000	w1	.1800000	w2	.0400000	w3	.0200000	SF	.0057888	LFr	.6302557
PRA	1.0200000	PRB	.9999772	PRC	1.288623	L	.1003399	min	.0242435	max	.2856758
Si	2.849563	SAB	2.585195	Sf	3.145206	K	.0760964	z	.1853359	m	.0200000
n	.0400000	gam	13.967897	b-al	9.928032	the	99.928055	phi	103.96792		
N	2.0000000	w1	.1800000	w2	.0500000	w3	.0200000	SF	.0079031	LFr	.6365996
PRA	1.0200000	PRB	1.0150741	PRC	1.2495157	L	.1018543	min	.0269244	max	.2856758
Si	2.849543	SAB	2.579116	Sf	3.146624	K	.0749299	z	.1838214	m	.0200000
n	.0500000	gam	16.013382	b-al	9.928032	the	99.928055	phi	106.01341		
N	2.0000000	w1	.1800000	w2	.0500000	w3	.0300000	SF	.0090256	LFr	.6435166
PRA	1.0300000	PRB	.9945728	PRC	1.2425962	L	.1059780	min	.0349857	max	.2837370
Si	2.849544	SAB	2.631119	Sf	3.147335	K	.0709923	z	.1777590	m	.0300000
n	.0500000	gam	16.013382	b-al	11.940427	the	101.94045	phi	106.01341		
N	2.0000000	w1	.1800000	w2	.0600000	w3	.0200000	SF	.0106373	LFr	.6431217
PRA	1.0200000	PRB	1.0313161	PRC	1.2118586	L	.1036167	min	.0299867	max	.2856758
Si	2.849559	SAB	2.572083	Sf	3.148542	K	.0736300	z	.1820590	m	.0200000
n	.0600000	gam	18.079681	b-al	9.928032	the	99.928055	phi	108.07970		
N	2.0000000	w1	.1800000	w2	.0600000	w3	.0300000	SF	.0117598	LFr	.6499291
PRA	1.0300000	PRB	1.0086521	PRC	1.2075267	L	.1077385	min	.0380480	max	.2837370
Si	2.849545	SAB	2.624078	Sf	3.149253	K	.0696905	z	.1759985	m	.0300000
n	.0600000	gam	18.079681	b-al	11.940427	the	101.94045	phi	108.07970		
N	2.0000000	w1	.1800000	w2	.0600000	w3	.0400000	SF	.0132685	LFr	.7178335
PRA	1.0300000	PRB	.9912139	PRC	1.2000719	L	.2304497	min	.0457430	max	.2814320
Si	3.799407	SAB	3.151590	Sf	3.150277	K	.1847067	z	.0509824	m	.0400000
n	.0600000	gam	18.079681	b-al	13.967897	the	103.96792	phi	108.07970		
N	2.0000000	w1	.1800000	w2	.0600000	w3	.0400000	SF	.0132685	LFr	.6573630
PRA	1.0400000	PRB	.9896550	PRC	1.2000719	L	.1117172	min	.0457430	max	.2814320
Si	2.849547	SAB	2.676661	Sf	3.150277	K	.0659742	z	.1697148	m	.0400000
n	.0600000	gam	18.079681	b-al	13.967897	the	103.96792	phi	108.07970		
N	2.0000000	w1	.1800000	w2	.0700000	w3	.0200000	SF	.0140991	LFr	.6498604
PRA	1.0200000	PRB	1.0482071	PRC	1.1762865	L	.1056442	min	.0334566	max	.2856758
Si	2.849559	SAB	2.563973	Sf	3.151065	K	.0721877	z	.1800315	m	.0200000
n	.0700000	gam	20.170979	b-al	9.928032	the	99.928055	phi	110.17100		
N	2.0000000	w1	.1800000	w2	.0700000	w3	.0300000	SF	.0152216	LFr	.6565685
PRA	1.0300000	PRB	1.0241088	PRC	1.1764589	L	.1097660	min	.0415178	max	.2837370
Si	2.849546	SAB	2.615968	Sf	3.151776	K	.0682482	z	.1739710	m	.0300000
n	.0700000	gam	20.170979	b-al	11.940427	the	101.94045	phi	110.17100	2-LEVEL THRUST	
N	2.0000000	w1	.1800000	w2	.0700000	w3	.0400000	SF	.0167303	LFr	.7304344
PRA	1.0300000	PRB	1.0023321	PRC	1.1686756	L	.2324772	min	.0492128	max	.2814320
Si	3.799408	SAB	3.143481	Sf	3.152800	K	.1832644	z	.0489548	m	.0400000
n	.0700000	gam	20.170979	b-al	13.967897	the	103.96792	phi	110.17100		
N	2.0000000	w1	.1800000	w2	.0700000	w3	.0400000	SF	.0167303	LFr	.6639176
PRA	1.0400000	PRB	1.0027443	PRC	1.1782315	L	.1137448	min	.0492128	max	.2814320
Si	2.849548	SAB	2.668551	Sf	3.152800	K	.0645319	z	.1676873	m	.0400000
n	.0700000	gam	20.170979	b-al	13.967897	the	103.96792	phi	110.17100	2-LEVEL THRUST	
N	2.0000000	w1	.1800000	w2	.0700000	w3	.0500000	SF	.0188799	LFr	.7265148
PRA	1.0400000	PRB	.9868717	PRC	1.1608767	L	.2066307	min	.0565320	max	.2787512
Si	3.561947	SAB	3.077902	Sf	3.154217	K	.1500987	z	.0721205	m	.0500000
n	.0700000	gam	20.170979	b-al	16.013382	the	106.01341	phi	110.17100		
N	2.0000000	w1	.1800000	w2	.0700000	w3	.0500000	SF	.0188799	LFr	.6720925
PRA	1.0500000	PRB	.9851373	PRC	1.1763953	L	.1175823	min	.0565320	max	.2787512
Si	2.849559	SAB	2.721708	Sf	3.154217	K	.0610504	z	.1611689	m	.0500000
n	.0700000	gam	20.170979	b-al	16.013382	the	106.01341	phi	110.17100	2-LEVEL THRUST	

N	2.0000000	wl	.1800000	w2	.0700000	w3	.0500000	SF	.0188799	LFr	.6358099		
PRA	1.0540055	PRB	.9782446	PRC	1.305407	L	.0582161	min	.0565320	max	.2787512		
Si	2.374630	SAB	2.470008	Sf	3.154217	K	.0016841	z	.2205351	m	.0500000		
n	.0700000	gam	20.170979	b-al	16.013382	the	106.01341	phi	110.17100	2-LEVEL THRUST			
N	2.0000000	wl	.1800000	w2	.0800000	w3	.0200000	SF	.0183916	LFr	.6568480		
PRA	1.0200000	PRB	1.0655260	PRC	1.1587732	L	.1079521	min	.0373434	max	.2856758		
Si	2.849559	SAB	2.554741	Sf	3.154347	K	.0706088	z	.1777237	m	.0200000		
n	.0800000	gam	22.290742	b-al	9.928032	the	99.928055	phi	112.29076	2-LEVEL THRUST			
N	2.0000000	wl	.1800000	w2	.0800000	w3	.0300000	SF	.0195141	LFr	.6634741		
PRA	1.0300000	PRB	1.0403008	PRC	1.1634560	L	.1120758	min	.0454046	max	.2837370		
Si	2.849561	SAB	2.606744	Sf	3.155058	K	.0666712	z	.1716612	m	.0300000		
n	.0800000	gam	22.290742	b-al	11.940427	the	101.94045	phi	112.29076	2-LEVEL THRUST			
N	2.0000000	wl	.1800000	w2	.0800000	w3	.0400000	SF	.0210228	LFr	.7433138		
PRA	1.0300000	PRB	1.0147833	PRC	1.1378015	L	.2347851	min	.0530996	max	.2814320		
Si	3.799407	SAB	3.134249	Sf	3.156081	K	.1816855	z	.0466469	m	.0400000		
n	.0800000	gam	22.290742	b-al	13.967897	the	103.96792	phi	112.29076				
N	2.0000000	wl	.1800000	w2	.0800000	w3	.0400000	SF	.0210228	LFr	.6707497		
PRA	1.0400000	PRB	1.0173211	PRC	1.1665938	L	.1160526	min	.0530996	max	.2814320		
Si	2.849547	SAB	2.659319	Sf	3.156081	K	.0629530	z	.1653794	m	.0400000		
n	.0800000	gam	22.290742	b-al	13.967897	the	103.96792	phi	112.29076	2-LEVEL THRUST			
N	2.0000000	wl	.1800000	w2	.0800000	w3	.0500000	SF	.0231724	LFr	.7378225		
PRA	1.0400000	PRB	.9976051	PRC	1.1328401	L	.2089386	min	.0604188	max	.2787512		
Si	3.561946	SAB	3.068670	Sf	3.157499	K	.1485198	z	.0698126	m	.0500000		
n	.0800000	gam	22.290742	b-al	16.013382	the	106.01341	phi	112.29076				
N	2.0000000	wl	.1800000	w2	.0800000	w3	.0500000	SF	.0231724	LFr	.6788645		
PRA	1.0500000	PRB	.9971134	PRC	1.1674350	L	.1198902	min	.0604188	max	.2787512		
Si	2.849559	SAB	2.712476	Sf	3.157499	K	.0594714	z	.1588610	m	.0500000		
n	.0800000	gam	22.290742	b-al	16.013382	the	106.01341	phi	112.29076	2-LEVEL THRUST			
N	2.0000000	wl	.1800000	w2	.0800000	w3	.0500000	SF	.0231724	LFr	.6395598		
PRA	1.0532960	PRB	.9879866	PRC	1.299623	L	.0605240	min	.0604188	max	.2787512		
Si	2.374629	SAB	2.459092	Sf	3.157499	K	.0001052	z	.2182272	m	.0500000		
n	.0800000	gam	22.290742	b-al	16.013382	the	106.01341	phi	112.29076	2-LEVEL THRUST			
N	2.0000000	wl	.1800000	w2	.0800000	w3	.0600000	SF	.0258885	LFr	.7384825		
PRA	1.0500000	PRB	.9827844	PRC	1.1248583	L	.1948261	min	.0673564	max	.2756888		
Si	3.419462	SAB	3.051131	Sf	3.159418	K	.1274697	z	.0808627	m	.0600000		
n	.0800000	gam	22.290742	b-al	18.079681	the	108.07970	phi	112.29076				
N	2.0000000	wl	.1800000	w2	.0800000	w3	.0600000	SF	.0258885	LFr	.6876879		
PRA	1.0600000	PRB	.9807391	PRC	1.1645933	L	.1235867	min	.0673564	max	.2756888		
Si	2.849546	SAB	2.766172	Sf	3.159418	K	.0562303	z	.1521021	m	.0600000		
n	.0800000	gam	22.290742	b-al	18.079681	the	108.07970	phi	112.29076	2-LEVEL THRUST			
N	2.0000000	wl	.1800000	w2	.0800000	w3	.0600000	SF	.0258885	LFr	.6514063		
PRA	1.0633180	PRB	.9741567	PRC	1.273697	L	.0727024	min	.0673564	max	.2756888		
Si	2.442472	SAB	2.546315	Sf	3.159418	K	.0053460	z	.2029864	m	.0600000		
n	.0800000	gam	22.290742	b-al	18.079681	the	108.07970	phi	112.29076	2-LEVEL THRUST			
N	2.0000000	wl	.1800000	w2	.0900000	w3	.0200000	SF	.0236321	LFr	.6641216		
PRA	1.0200000	PRB	1.0830646	PRC	1.1462230	L	.1105595	min	.0416650	max	.2856758		
Si	2.849554	SAB	2.544307	Sf	3.158589	K	.0688945	z	.1751163	m	.0200000		
n	.0900000	gam	24.443137	b-al	9.928032	the	99.928055	phi	114.44316	2-LEVEL THRUST			
N	2.0000000	wl	.1800000	w2	.0900000	w3	.0300000	SF	.0247536	LFr	.6706820		
PRA	1.0300000	PRB	1.0568434	PRC	1.1513930	L	.1146832	min	.0497262	max	.2837370		
Si	2.849556	SAB	2.596310	Sf	3.159299	K	.0649569	z	.1690539	m	.0300000		
n	.0900000	gam	24.443137	b-al	11.940427	the	101.94045	phi	114.44316	2-LEVEL THRUST			

N	2.0000000	w1	.1800000	w2	.0900000	w3	.0400000	SF	.0262632	LFr	.7565117
PRA	1.0300000	PRB	1.0279959	PRC	1.1083470	L	.2373924	min	.0574212	max	.2814320
Si	3.799402	SAB	3.123815	Sf	3.160323	K	.1799712	z	.0440396	m	.0400000
n	.0900000	gam	24.443137	b-al	13.967897	the	103.96792	phi	114.44316		

N	2.0000000	w1	.1800000	w2	.0900000	w3	.0400000	SF	.0262632	LFr	.6779013
PRA	1.0400000	PRB	1.0325898	PRC	1.1554183	L	.1186619	min	.0574212	max	.2814320
Si	2.849558	SAB	2.648893	Sf	3.160323	K	.0612407	z	.1627701	m	.0400000
n	.0900000	gam	24.443137	b-al	13.967897	the	103.96792	phi	114.44316	2-LEVEL THRUST	

N	2.0000000	w1	.1800000	w2	.0900000	w3	.0500000	SF	.0284119	LFr	.7494621
PRA	1.0400000	PRB	1.0098989	PRC	1.1050065	L	.2115460	min	.0647404	max	.2787512
Si	3.561941	SAB	3.058236	Sf	3.161741	K	.1468056	z	.0672052	m	.0500000
n	.0900000	gam	24.443137	b-al	16.013382	the	106.01341	phi	114.44316		

N	2.0000000	w1	.1800000	w2	.0900000	w3	.0500000	SF	.0284119	LFr	.6859694
PRA	1.0500000	PRB	1.0106114	PRC	1.1578437	L	.1224976	min	.0647404	max	.2787512
Si	2.849554	SAB	2.702042	Sf	3.161741	K	.0577572	z	.1562536	m	.0500000
n	.0900000	gam	24.443137	b-al	16.013382	the	106.01341	phi	114.44316	2-LEVEL THRUST	

N	2.0000000	w1	.1800000	w2	.0900000	w3	.0600000	SF	.0311289	LFr	.7491827
PRA	1.0500000	PRB	.9929539	PRC	1.0999250	L	.1974335	min	.0716780	max	.2756888
Si	3.419457	SAB	3.040697	Sf	3.163659	K	.1257555	z	.0782553	m	.0600000
n	.0900000	gam	24.443137	b-al	18.079681	the	108.07970	phi	114.44316		

N	2.0000000	w1	.1800000	w2	.0900000	w3	.0600000	SF	.0311289	LFr	.6947613
PRA	1.0599965	PRB	.9914487	PRC	1.1579286	L	.1261959	min	.0716780	max	.2756888
Si	2.849557	SAB	2.755737	Sf	3.163659	K	.0545179	z	.1494929	m	.0600000
n	.0900000	gam	24.443137	b-al	18.079681	the	108.07970	phi	114.44316	2-LEVEL THRUST	

N	2.0000000	w1	.1800000	w2	.0900000	w3	.0600000	SF	.0311289	LFr	.6558876
PRA	1.0625586	PRB	.9828680	PRC	1.270233	L	.0753098	min	.0716780	max	.2756888
Si	2.442468	SAB	2.534026	Sf	3.163659	K	.0036318	z	.2003790	m	.0600000
n	.0900000	gam	24.443137	b-al	18.079681	the	108.07970	phi	114.44316	2-LEVEL THRUST	

N	2.0000000	w1	.1800000	w2	.0900000	w3	.0700000	SF	.0345898	LFr	.7527647
PRA	1.0600000	PRB	.9789545	PRC	1.0919017	L	.1891194	min	.0782082	max	.2722190
Si	3.324483	SAB	3.047475	Sf	3.166182	K	.1109111	z	.0830997	m	.0700000
n	.0900000	gam	24.443137	b-al	20.170979	the	110.17100	phi	114.44316		

N	2.0000000	w1	.1800000	w2	.0900000	w3	.0700000	SF	.0345898	LFr	.7043886
PRA	1.0698520	PRB	.9763410	PRC	1.1542282	L	.1297531	min	.0782082	max	.2722190
Si	2.849554	SAB	2.809588	Sf	3.166182	K	.0515449	z	.1424659	m	.0700000
n	.0900000	gam	24.443137	b-al	20.170979	the	110.17100	phi	114.44316	2-LEVEL THRUST	

N	2.0000000	w1	.1800000	w2	.0900000	w3	.0700000	SF	.0345898	LFr	.6681061
PRA	1.0717408	PRB	.9700812	PRC	1.2498803	L	.0852280	min	.0782082	max	.2722190
Si	2.493352	SAB	2.611316	Sf	3.166182	K	.0070198	z	.1869910	m	.0700000
n	.0900000	gam	24.443137	b-al	20.170979	the	110.17100	phi	114.44316	2-LEVEL THRUST	

N	2.0000000	w1	.1800000	w2	.1000000	w3	.0200000	SF	.0299359	LFr	.6717253
PRA	1.0200000	PRB	1.1006854	PRC	1.1350587	L	.1134892	min	.0464438	max	.2856758
Si	2.849542	SAB	2.532576	Sf	3.164055	K	.0670454	z	.1721866	m	.0200000
n	.1000000	gam	26.632957	b-al	9.928032	the	99.928055	phi	116.63298	2-LEVEL THRUST	

N	2.0000000	w1	.1800000	w2	.1000000	w3	.0300000	SF	.0310583	LFr	.6782332
PRA	1.0300000	PRB	1.0735378	PRC	1.1405995	L	.1176148	min	.0545050	max	.2837370
Si	2.849559	SAB	2.584587	Sf	3.164766	K	.0631097	z	.1661223	m	.0300000
n	.1000000	gam	26.632957	b-al	11.940427	the	101.94045	phi	116.63298	2-LEVEL THRUST	

N	2.0000000	w1	.1800000	w2	.1000000	w3	.0400000	SF	.0325670	LFr	.7700701
PRA	1.0300000	PRB	1.0417213	PRC	1.0806823	L	.2403240	min	.0622000	max	.2814320
Si	3.799405	SAB	3.112092	Sf	3.165790	K	.1781240	z	.0411080	m	.0400000
n	.1000000	gam	26.632957	b-al	13.967897	the	103.96792	phi	116.63298		

N	2.0000000	wl	.1800000	w2	.1000000	w3	.0400000	SF	.0325670	LFr	.6854134
PRA	1.0400000	PRB	1.0481879	PRC	1.1452622	L	.1215935	min	.0622001	max	.2814320
Si	2.849561	SAB	2.637169	Sf	3.165790	K	.0593935	z	.1598386	m	.0400000
n	.1000000	gam	26.632957	b-al	13.967897	the	103.96792	phi	116.63298	2-LEVEL THRUST	
N	2.0000000	wl	.1800000	w2	.1000000	w3	.0500000	SF	.0347166	LFr	.7614822
PRA	1.0400000	PRB	1.0230956	PRC	1.0783673	L	.2144776	min	.0695192	max	.2787512
Si	3.561944	SAB	3.046512	Sf	3.167207	K	.1449584	z	.0642736	m	.0500000
n	.1000000	gam	26.632957	b-al	16.013382	the	106.01341	phi	116.63298		
N	2.0000000	wl	.1800000	w2	.1000000	w3	.0500000	SF	.0347166	LFr	.6934548
PRA	1.0500000	PRB	1.0248281	PRC	1.1487401	L	.1254292	min	.0695192	max	.2787512
Si	2.849557	SAB	2.690318	Sf	3.167207	K	.0559100	z	.1533220	m	.0500000
n	.1000000	gam	26.632957	b-al	16.013382	the	106.01341	phi	116.63298	2-LEVEL THRUST	
N	2.0000000	wl	.1800000	w2	.1000000	w3	.0600000	SF	.0374327	LFr	.7602797
PRA	1.0500000	PRB	1.0048882	PRC	1.0749555	L	.2003651	min	.0764568	max	.2756888
Si	3.419460	SAB	3.028973	Sf	3.169126	K	.1239083	z	.0753237	m	.0600000
n	.1000000	gam	26.632957	b-al	18.079681	the	108.07970	phi	116.63298		
N	2.0000000	wl	.1800000	w2	.1000000	w3	.0600000	SF	.0374327	LFr	.7022295
PRA	1.0599898	PRB	1.0037849	PRC	1.1505770	L	.1291275	min	.0764568	max	.2756888
Si	2.849560	SAB	2.743994	Sf	3.169126	K	.0526707	z	.1465613	m	.0600000
n	.1000000	gam	26.632957	b-al	18.079681	the	108.07970	phi	116.63298	2-LEVEL THRUST	
N	2.0000000	wl	.1800000	w2	.1000000	w3	.0600000	SF	.0374327	LFr	.6607638
PRA	1.0616607	PRB	.9931363	PRC	1.266226	L	.0782414	min	.0764568	max	.2756888
Si	2.442470	SAB	2.520110	Sf	3.169126	K	.0017846	z	.1974474	m	.0600000
n	.1000000	gam	26.632957	b-al	18.079681	the	108.07970	phi	116.63298	2-LEVEL THRUST	
N	2.0000000	wl	.1800000	w2	.1000000	w3	.0700000	SF	.0408945	LFr	.7632532
PRA	1.0600000	PRB	.9884863	PRC	1.0698608	L	.1920490	min	.0829870	max	.2722190
Si	3.324471	SAB	3.035744	Sf	3.171649	K	.1090620	z	.0801700	m	.0700000
n	.1000000	gam	26.632957	b-al	20.170979	the	110.17100	phi	116.63298		
N	2.0000000	wl	.1800000	w2	.1000000	w3	.0700000	SF	.0408945	LFr	.7118559
PRA	1.0698018	PRB	.9857826	PRC	1.1500043	L	.1326847	min	.0829870	max	.2722190
Si	2.849556	SAB	2.797722	Sf	3.171649	K	.0496977	z	.1395343	m	.0700000
n	.1000000	gam	26.632957	b-al	20.170979	the	110.17100	phi	116.63298	2-LEVEL THRUST	
N	2.0000000	wl	.1800000	w2	.1000000	w3	.0700000	SF	.0408945	LFr	.6733055
PRA	1.0708512	PRB	.9776973	PRC	1.2489532	L	.0881596	min	.0829870	max	.2722190
Si	2.493355	SAB	2.597374	Sf	3.171649	K	.0051726	z	.1840594	m	.0700000
n	.1000000	gam	26.632957	b-al	20.170979	the	110.17100	phi	116.63298	2-LEVEL THRUST	
N	2.0000000	wl	.1800000	w2	.1000000	w3	.0800000	SF	.0451937	LFr	.8312082
PRA	1.0600000	PRB	.9773799	PRC	1.0619225	L	.2548370	min	.0891002	max	.2683321
Si	3.799406	SAB	3.328023	Sf	3.174930	K	.1657369	z	.0134951	m	.0800000
n	.1000000	gam	26.632957	b-al	22.290742	the	112.29076	phi	116.63298		
N	2.0000000	wl	.1800000	w2	.1000000	w3	.0800000	SF	.0451937	LFr	.7690106
PRA	1.0700000	PRB	.9753725	PRC	1.0649268	L	.1869907	min	.0891002	max	.2683321
Si	3.256636	SAB	3.056638	Sf	3.174930	K	.0978906	z	.0813414	m	.0800000
n	.1000000	gam	26.632957	b-al	22.290742	the	112.29076	phi	116.63298	2-LEVEL THRUST	
N	2.0000000	wl	.1800000	w2	.1000000	w3	.0800000	SF	.0451937	LFr	.7223616
PRA	1.0792774	PRB	.9720888	PRC	1.1455817	L	.1361046	min	.0891002	max	.2683321
Si	2.849547	SAB	2.851033	Sf	3.174930	K	.0470045	z	.1322275	m	.0800000
n	.1000000	gam	26.632957	b-al	22.290742	the	112.29076	phi	116.63298	2-LEVEL THRUST	
N	2.0000000	wl	.1800000	w2	.1000000	w3	.0800000	SF	.0451937	LFr	.6860819
PRA	1.0794520	PRB	.9661347	PRC	1.2316824	L	.0965290	min	.0891002	max	.2683321
Si	2.532942	SAB	2.668073	Sf	3.174930	K	.0074289	z	.1718031	m	.0800000
n	.1000000	gam	26.632957	b-al	22.290742	the	112.29076	phi	116.63298	2-LEVEL THRUST	

N	2.0000000	wl	.1800000	w2	.1100000	w3	.0200000	SF	.0374527	LFr	.6797094		
PRA	1.0200000	PRB	1.1183182	PRC	1.1254784	L	.1167717	min	.0517058	max	.2856758		
Si	2.849552	SAB	2.519457	Sf	3.171096	K	.0650660	z	.1689041	m	.0200000		
n	.1100000	gam	28.865617	b-al	9.928032	the	99.928055	phi	118.86564	2-LEVEL THRUST			
N	2.0000000	wl	.1800000	w2	.1100000	w3	.0300000	SF	.0385742	LFr	.6861830		
PRA	1.0300000	PRB	1.0902796	PRC	1.1313298	L	.1208954	min	.0597670	max	.2837370		
Si	2.849554	SAB	2.571459	Sf	3.171807	K	.0611284	z	.1628416	m	.0300000		
n	.1100000	gam	28.865617	b-al	11.940427	the	101.94045	phi	118.86564	2-LEVEL THRUST			
N	2.0000000	wl	.1800000	w2	.1100000	w3	.0400000	SF	.0400839	LFr	.7840462		
PRA	1.0300000	PRB	1.0558381	PRC	1.0549959	L	.2436066	min	.0674620	max	.2814320		
Si	3.799416	SAB	3.098972	Sf	3.172831	K	.1761446	z	.0378255	m	.0400000		
n	.1100000	gam	28.865617	b-al	13.967897	the	103.96792	phi	118.86564				
N	2.0000000	wl	.1800000	w2	.1100000	w3	.0400000	SF	.0400839	LFr	.6933413		
PRA	1.0400000	PRB	1.0639299	PRC	1.1364835	L	.1248741	min	.0674620	max	.2814320		
Si	2.849556	SAB	2.624042	Sf	3.172831	K	.0574121	z	.1565579	m	.0400000		
n	.1100000	gam	28.865617	b-al	13.967897	the	103.96792	phi	118.86564	2-LEVEL THRUST			
N	2.0000000	wl	.1800000	w2	.1100000	w3	.0500000	SF	.0422325	LFr	.7739353		
PRA	1.0400000	PRB	1.0369046	PRC	1.0533699	L	.2177582	min	.0747812	max	.2787512		
Si	3.561940	SAB	3.033385	Sf	3.174248	K	.1429770	z	.0609930	m	.0500000		
n	.1100000	gam	28.865617	b-al	16.013382	the	106.01341	phi	118.86564				
N	2.0000000	wl	.1800000	w2	.1100000	w3	.0500000	SF	.0422325	LFr	.7013722		
PRA	1.0500000	PRB	1.0393973	PRC	1.1407223	L	.1287098	min	.0747812	max	.2787512		
Si	2.849553	SAB	2.677191	Sf	3.174248	K	.0539286	z	.1500414	m	.0500000		
n	.1100000	gam	28.865617	b-al	16.013382	the	106.01341	phi	118.86564	2-LEVEL THRUST			
N	2.0000000	wl	.1800000	w2	.1100000	w3	.0600000	SF	.0449495	LFr	.7718277		
PRA	1.0500000	PRB	1.0178523	PRC	1.0510225	L	.2036457	min	.0817188	max	.2756888		
Si	3.419455	SAB	3.015846	Sf	3.176167	K	.1219269	z	.0720431	m	.0600000		
n	.1100000	gam	28.865617	b-al	18.079681	the	108.07970	phi	118.86564				
N	2.0000000	wl	.1800000	w2	.1100000	w3	.0600000	SF	.0449495	LFr	.7101498		
PRA	1.0599779	PRB	1.0169059	PRC	1.1437404	L	.1324082	min	.0817188	max	.2756888		
Si	2.849555	SAB	2.730833	Sf	3.176167	K	.0506894	z	.1432806	m	.0600000		
n	.1100000	gam	28.865617	b-al	18.079681	the	108.07970	phi	118.86564	2-LEVEL THRUST			
N	2.0000000	wl	.1800000	w2	.1100000	w3	.0700000	SF	.0484104	LFr	.7742138		
PRA	1.0600000	PRB	.9999602	PRC	1.0516743	L	.1953316	min	.0882490	max	.2722190		
Si	3.324481	SAB	3.022624	Sf	3.178690	K	.1070826	z	.0768874	m	.0700000		
n	.1100000	gam	28.865617	b-al	20.170979	the	110.17100	phi	118.86564	2-LEVEL THRUST			
N	2.0000000	wl	.1800000	w2	.1100000	w3	.0700000	SF	.0484104	LFr	.7197905		
PRA	1.0697367	PRB	.9969767	PRC	1.1450651	L	.1359654	min	.0882490	max	.2722190		
Si	2.849552	SAB	2.784408	Sf	3.178690	K	.0477164	z	.1362537	m	.0700000		
n	.1100000	gam	28.865617	b-al	20.170979	the	110.17100	phi	118.86564	2-LEVEL THRUST			
N	2.0000000	wl	.1800000	w2	.1100000	w3	.0700000	SF	.0484104	LFr	.6789732		
PRA	1.0698076	PRB	.9870447	PRC	1.2474263	L	.0914402	min	.0882490	max	.2722190		
Si	2.493350	SAB	2.581644	Sf	3.178690	K	.0031912	z	.1807788	m	.0700000		
n	.1100000	gam	28.865617	b-al	20.170979	the	110.17100	phi	118.86564	2-LEVEL THRUST			
N	2.0000000	wl	.1800000	w2	.1100000	w3	.0800000	SF	.0527105	LFr	.8452196		
PRA	1.0600000	PRB	.9855202	PRC	1.0426286	L	.2581177	min	.0943621	max	.2683321		
Si	3.799401	SAB	3.314896	Sf	3.181971	K	.1637556	z	.0102145	m	.0800000		
n	.1100000	gam	28.865617	b-al	22.290742	the	112.29076	phi	118.86564				
N	2.0000000	wl	.1800000	w2	.1100000	w3	.0800000	SF	.0527105	LFr	.7795677		
PRA	1.0700000	PRB	.9841988	PRC	1.0622791	L	.1902714	min	.0943621	max	.2683321		
Si	3.256631	SAB	3.043510	Sf	3.181971	K	.0959093	z	.0780608	m	.0800000		
n	.1100000	gam	28.865617	b-al	22.290742	the	112.29076	phi	118.86564	2-LEVEL THRUST			

N	2.0000000	w1	.1800000	w2	.1100000	w3	.0800000	SF	.0527105	LFr	.7303286
PRA	1.0791340	PRB	.9803003	PRC	1.1439325	L	.1393871	min	.0943621	max	.2683321
Si	2.849557	SAB	2.837506	Sf	3.181971	K	.0450250	z	.1289450	m	.0800000
n	.1100000	gam	28.865617	b-al	22.290742	the	112.29076	phi	118.86564	2-LEVEL THRUST	
N	2.0000000	w1	.1800000	w2	.1100000	w3	.0800000	SF	.0527105	LFr	.6920309
PRA	1.0783724	PRB	.9726466	PRC	1.2334829	L	.0998097	min	.0943621	max	.2683321
Si	2.532937	SAB	2.652211	Sf	3.181971	K	.0054475	z	.1685225	m	.0800000
n	.1100000	gam	28.865617	b-al	22.290742	the	112.29076	phi	118.86564	2-LEVEL THRUST	
N	2.0000000	w1	.1800000	w2	.1100000	w3	.0900000	SF	.0579224	LFr	.8454237
PRA	1.0700000	PRB	.9739527	PRC	1.0348969	L	.2444420	min	.1000408	max	.2640108
Si	3.663704	SAB	3.302397	Sf	3.186213	K	.1444012	z	.0195688	m	.0900000
n	.1100000	gam	28.865617	b-al	24.443137	the	114.44316	phi	118.86564		
N	2.0000000	w1	.1800000	w2	.1100000	w3	.0900000	SF	.0579224	LFr	.7871142
PRA	1.0800010	PRB	.9718790	PRC	1.0666969	L	.1871967	min	.1000408	max	.2640108
Si	3.205742	SAB	3.073418	Sf	3.186213	K	.0871559	z	.0768141	m	.0900000
n	.1100000	gam	28.865617	b-al	24.443137	the	114.44316	phi	118.86564	2-LEVEL THRUST	
N	2.0000000	w1	.1800000	w2	.1100000	w3	.0900000	SF	.0579224	LFr	.7417631
PRA	1.0881411	PRB	.9680357	PRC	1.1388901	L	.1426735	min	.1000408	max	.2640108
Si	2.849556	SAB	2.890025	Sf	3.186213	K	.0426327	z	.1213373	m	.0900000
n	.1100000	gam	28.865617	b-al	24.443137	the	114.44316	phi	118.86564	2-LEVEL THRUST	
N	2.0000000	w1	.1800000	w2	.1100000	w3	.0900000	SF	.0579224	LFr	.7054815
PRA	1.0865102	PRB	.9623450	PRC	1.2180219	L	.1070538	min	.1000408	max	.2640108
Si	2.564598	SAB	2.718247	Sf	3.186213	K	.0070129	z	.1569571	m	.0900000
n	.1100000	gam	28.865617	b-al	24.443137	the	114.44316	phi	118.86564	2-LEVEL THRUST	
N	2.0000000	w1	.1800000	w2	.1200000	w3	.0200000	SF	.0463371	LFr	.6881380
PRA	1.0200000	PRB	1.1359356	PRC	1.1177162	L	.1204338	min	.0574814	max	.2856758
Si	2.849552	SAB	2.504807	Sf	3.180238	K	.0629524	z	.1652420	m	.0200000
n	.1200000	gam	31.147322	b-al	9.928032	the	99.928055	phi	121.14734	2-LEVEL THRUST	
N	2.0000000	w1	.1800000	w2	.1200000	w3	.0300000	SF	.0474587	LFr	.6945973
PRA	1.0300000	PRB	1.1070173	PRC	1.1238382	L	.1245575	min	.0655427	max	.2837370
Si	2.849553	SAB	2.556810	Sf	3.180949	K	.0590149	z	.1591795	m	.0300000
n	.1200000	gam	31.147322	b-al	11.940427	the	101.94045	phi	121.14734	2-LEVEL THRUST	
N	2.0000000	w1	.1800000	w2	.1200000	w3	.0400000	SF	.0489683	LFr	.7985029
PRA	1.0300000	PRB	1.0702912	PRC	1.0314339	L	.2472668	min	.0732377	max	.2814320
Si	3.799400	SAB	3.084315	Sf	3.181972	K	.1740291	z	.0341653	m	.0400000
n	.1200000	gam	31.147322	b-al	13.967897	the	103.96792	phi	121.14734		
N	2.0000000	w1	.1800000	w2	.1200000	w3	.0400000	SF	.0489683	LFr	.7017527
PRA	1.0400000	PRB	1.0797203	PRC	1.1293945	L	.1285362	min	.0732377	max	.2814320
Si	2.849556	SAB	2.609393	Sf	3.181972	K	.0552986	z	.1528958	m	.0400000
n	.1200000	gam	31.147322	b-al	13.967897	the	103.96792	phi	121.14734	2-LEVEL THRUST	
N	2.0000000	w1	.1800000	w2	.1200000	w3	.0500000	SF	.0511170	LFr	.7868910
PRA	1.0400000	PRB	1.0511857	PRC	1.0302907	L	.2214203	min	.0805568	max	.2787512
Si	3.561939	SAB	3.018736	Sf	3.183390	K	.1408635	z	.0573309	m	.0500000
n	.1200000	gam	31.147322	b-al	16.013382	the	106.01341	phi	121.14734		
N	2.0000000	w1	.1800000	w2	.1200000	w3	.0500000	SF	.0511170	LFr	.7097931
PRA	1.0500000	PRB	1.0541320	PRC	1.1342228	L	.1323719	min	.0805568	max	.2787512
Si	2.849552	SAB	2.662542	Sf	3.183390	K	.0518151	z	.1463793	m	.0500000
n	.1200000	gam	31.147322	b-al	16.013382	the	106.01341	phi	121.14734	2-LEVEL THRUST	
N	2.0000000	w1	.1800000	w2	.1200000	w3	.0600000	SF	.0538340	LFr	.7839003
PRA	1.0500000	PRB	1.0315215	PRC	1.0289105	L	.2073097	min	.0874944	max	.2756888
Si	3.419470	SAB	3.001205	Sf	3.185309	K	.1198153	z	.0683791	m	.0600000
n	.1200000	gam	31.147322	b-al	18.079681	the	108.07970	phi	121.14734	2-LEVEL THRUST	

N	2.0000000	w1	.1800000	w2	.1200000	w3	.0600000	SF	.0538340	LFr	.7185927
PRA	1.0599580	PRB	1.0304292	PRC	1.1381077	L	.1360703	min	.0874944	max	.2756888
S1	2.849554	SAB	2.716127	Sf	3.185309	K	.0485759	z	.1396185	m	.0600000
n	.1200000	gam	31.147322	b-al	18.079681	the	108.07970	phi	121.14734	2-LEVEL THRUST	

N	2.0000000	w1	.1800000	w2	.1200000	w3	.0700000	SF	.0572949	LFr	.7857151
PRA	1.0600000	PRB	1.0125467	PRC	1.0466609	L	.1989937	min	.0940246	max	.2722190
S1	3.324481	SAB	3.007975	Sf	3.187831	K	.1049691	z	.0732253	m	.0700000
n	.1200000	gam	31.147322	b-al	20.170979	the	110.17100	phi	121.14734	2-LEVEL THRUST	

N	2.0000000	w1	.1800000	w2	.1200000	w3	.0700000	SF	.0572949	LFr	.7282686
PRA	1.0696523	PRB	1.0090424	PRC	1.1407265	L	.1396275	min	.0940246	max	.2722190
S1	2.849551	SAB	2.769519	Sf	3.187831	K	.0456028	z	.1325916	m	.0700000
n	.1200000	gam	31.147322	b-al	20.170979	the	110.17100	phi	121.14734	2-LEVEL THRUST	

N	2.0000000	w1	.1800000	w2	.1200000	w3	.0700000	SF	.0572949	LFr	.6851826
PRA	1.0685812	PRB	.9971748	PRC	1.2468570	L	.0951023	min	.0940246	max	.2722190
S1	2.493350	SAB	2.563937	Sf	3.187831	K	.0010777	z	.1771167	m	.0700000
n	.1200000	gam	31.147322	b-al	20.170979	the	110.17100	phi	121.14734	2-LEVEL THRUST	

N	2.0000000	w1	.1800000	w2	.1200000	w3	.0800000	SF	.0615950	LFr	.8597937
PRA	1.0600000	PRB	.9955859	PRC	1.0230842	L	.2617798	min	.1001378	max	.2683321
S1	3.799401	SAB	3.300246	Sf	3.191113	K	.1616420	z	.0065523	m	.0800000
n	.1200000	gam	31.147322	b-al	22.290742	the	112.29076	phi	121.14734		

N	2.0000000	w1	.1800000	w2	.1200000	w3	.0800000	SF	.0615950	LFr	.7906857
PRA	1.0700000	PRB	.9950132	PRC	1.0588489	L	.1939335	min	.1001378	max	.2683321
S1	3.256630	SAB	3.028861	Sf	3.191113	K	.0937957	z	.0743986	m	.0800000
n	.1200000	gam	31.147322	b-al	22.290742	the	112.29076	phi	121.14734	2-LEVEL THRUST	

N	2.0000000	w1	.1800000	w2	.1200000	w3	.0800000	SF	.0615950	LFr	.7388554
PRA	1.0789608	PRB	.9903984	PRC	1.1416143	L	.1430493	min	.1001378	max	.2683321
S1	2.849556	SAB	2.822363	Sf	3.191113	K	.0429115	z	.1252829	m	.0800000
n	.1200000	gam	31.147322	b-al	22.290742	the	112.29076	phi	121.14734	2-LEVEL THRUST	

N	2.0000000	w1	.1800000	w2	.1200000	w3	.0800000	SF	.0615950	LFr	.6985426
PRA	1.0771142	PRB	.9810475	PRC	1.2347371	L	.1034718	min	.1001378	max	.2683321
S1	2.532937	SAB	2.634375	Sf	3.191113	K	.0033340	z	.1648604	m	.0800000
n	.1200000	gam	31.147322	b-al	22.290742	the	112.29076	phi	121.14734	2-LEVEL THRUST	

N	2.0000000	w1	.1800000	w2	.1200000	w3	.0900000	SF	.0668068	LFr	.8591986
PRA	1.0700000	PRB	.9815655	PRC	1.0182811	L	.2481041	min	.1058165	max	.2640108
S1	3.663703	SAB	3.287747	Sf	3.195355	K	.1422877	z	.0159067	m	.0900000
n	.1200000	gam	31.147322	b-al	24.443137	the	114.44316	phi	121.14734		

N	2.0000000	w1	.1800000	w2	.1200000	w3	.0900000	SF	.0668068	LFr	.7979736
PRA	1.0799996	PRB	.9797631	PRC	1.0662328	L	.1908589	min	.1058165	max	.2640108
S1	3.205741	SAB	3.058764	Sf	3.195355	K	.0850424	z	.0731520	m	.0900000
n	.1200000	gam	31.147322	b-al	24.443137	the	114.44316	phi	121.14734	2-LEVEL THRUST	

N	2.0000000	w1	.1800000	w2	.1200000	w3	.0900000	SF	.0668068	LFr	.7503548
PRA	1.0878654	PRB	.9750686	PRC	1.1400081	L	.1463356	min	.1058165	max	.2640108
S1	2.849556	SAB	2.874590	Sf	3.195355	K	.0405192	z	.1176752	m	.0900000
n	.1200000	gam	31.147322	b-al	24.443137	the	114.44316	phi	121.14734	2-LEVEL THRUST	

N	2.0000000	w1	.1800000	w2	.1200000	w3	.0900000	SF	.0668068	LFr	.7122593
PRA	1.0851879	PRB	.9677729	PRC	1.2227806	L	.1107159	min	.1058165	max	.2640108
S1	2.564598	SAB	2.700207	Sf	3.195355	K	.0048994	z	.1532950	m	.0900000
n	.1200000	gam	31.147322	b-al	24.443137	the	114.44316	phi	121.14734	2-LEVEL THRUST	

N	2.0000000	w1	.1800000	w2	.1200000	w3	.1000000	SF	.0730972	LFr	.8626480
PRA	1.0800000	PRB	.9707246	PRC	1.0108834	L	.2385368	min	.1110377	max	.2592320
S1	3.561946	SAB	3.292754	Sf	3.200822	K	.1274992	z	.0206952	m	.1000000
n	.1200000	gam	31.147322	b-al	26.632957	the	116.63298	phi	121.14734		

N	2.0000000	w1	.1800000	w2	.1200000	w3	.1000000	SF	.0730972	LFr	.8072157
PRA	1.0898676	PRB	.9682512	PRC	1.0682944	L	.1890640	min	.1110377	max	.2592320
Si	3.166163	SAB	3.094443	Sf	3.200822	K	.0780264	z	.0701680	m	.1000000
n	.1200000	gam	31.147322	b-al	26.632957	the	116.63298	phi	121.14734	2-LEVEL THRUST	

N	2.0000000	w1	.1800000	w2	.1200000	w3	.1000000	SF	.0730972	LFr	.7628737
PRA	1.0963966	PRB	.9641855	PRC	1.1344440	L	.1494885	min	.1110377	max	.2592320
Si	2.849559	SAB	2.926293	Sf	3.200822	K	.0384508	z	.1097436	m	.1000000
n	.1200000	gam	31.147322	b-al	26.632957	the	116.63298	phi	121.14734	2-LEVEL THRUST	

N	2.0000000	w1	.1800000	w2	.1200000	w3	.1000000	SF	.0730972	LFr	.7265902
PRA	1.0929530	PRB	.9587126	PRC	1.2084063	L	.1171055	min	.1110377	max	.2592320
Si	2.590495	SAB	2.762867	Sf	3.200822	K	.0060678	z	.1421265	m	.1000000
n	.1200000	gam	31.147322	b-al	26.632957	the	116.63298	phi	121.14734	2-LEVEL THRUST	

N	2.0000000	w1	.1800000	w2	.1300000	w3	.0200000	SF	.0567751	LFr	.6970749
PRA	1.0200000	PRB	1.1535332	PRC	1.1120679	L	.1245136	min	.0638076	max	.2856758
Si	2.849550	SAB	2.488487	Sf	3.192249	K	.0607060	z	.1611621	m	.0200000
n	.1300000	gam	33.485349	b-al	9.928032	the	99.928055	phi	123.48537	2-LEVEL THRUST	

N	2.0000000	w1	.1800000	w2	.1300000	w3	.0300000	SF	.0578976	LFr	.7035418
PRA	1.0300000	PRB	1.1237297	PRC	1.1184439	L	.1286373	min	.0718689	max	.2837370
Si	2.849552	SAB	2.540489	Sf	3.192960	K	.0567685	z	.1550997	m	.0300000
n	.1300000	gam	33.485349	b-al	11.940427	the	101.94045	phi	123.48537	2-LEVEL THRUST	

N	2.0000000	w1	.1800000	w2	.1300000	w3	.0400000	SF	.0594063	LFr	.8135128
PRA	1.0300000	PRB	1.0850577	PRC	1.0101724	L	.2513466	min	.0795639	max	.2814320
Si	3.799398	SAB	3.067994	Sf	3.193983	K	.1717827	z	.0300854	m	.0400000
n	.1300000	gam	33.485349	b-al	13.967897	the	103.96792	phi	123.48537		

N	2.0000000	w1	.1800000	w2	.1300000	w3	.0400000	SF	.0594063	LFr	.7107153
PRA	1.0400000	PRB	1.0955078	PRC	1.1243527	L	.1326161	min	.0795639	max	.2814320
Si	2.849554	SAB	2.593072	Sf	3.193983	K	.0530522	z	.1488160	m	.0400000
n	.1300000	gam	33.485349	b-al	13.967897	the	103.96792	phi	123.48537	2-LEVEL THRUST	

N	2.0000000	w1	.1800000	w2	.1300000	w3	.0500000	SF	.0615559	LFr	.8004198
PRA	1.0400000	PRB	1.0658670	PRC	1.0093799	L	.2255001	min	.0868830	max	.2787512
Si	3.561937	SAB	3.002415	Sf	3.195401	K	.1386171	z	.0532511	m	.0500000
n	.1300000	gam	33.485349	b-al	16.013382	the	106.01341	phi	123.48537		

N	2.0000000	w1	.1800000	w2	.1300000	w3	.0500000	SF	.0615559	LFr	.7187862
PRA	1.0500014	PRB	1.0689243	PRC	1.1296703	L	.1364517	min	.0868830	max	.2787512
Si	2.849550	SAB	2.646225	Sf	3.195401	K	.0495687	z	.1422995	m	.0500000
n	.1300000	gam	33.485349	b-al	16.013382	the	106.01341	phi	123.48537	2-LEVEL THRUST	

N	2.0000000	w1	.1800000	w2	.1300000	w3	.0600000	SF	.0642719	LFr	.7965641
PRA	1.0500000	PRB	1.0457158	PRC	1.0243419	L	.2113896	min	.0938206	max	.2756888
Si	3.419468	SAB	2.984884	Sf	3.197319	K	.1175689	z	.0642993	m	.0600000
n	.1300000	gam	33.485349	b-al	18.079681	the	108.07970	phi	123.48537	2-LEVEL THRUST	

N	2.0000000	w1	.1800000	w2	.1300000	w3	.0600000	SF	.0642719	LFr	.7276287
PRA	1.0599268	PRB	1.0441557	PRC	1.1342337	L	.1401501	min	.0938206	max	.2756888
Si	2.849553	SAB	2.699717	Sf	3.197319	K	.0463294	z	.1355387	m	.0600000
n	.1300000	gam	33.485349	b-al	18.079681	the	108.07970	phi	123.48537	2-LEVEL THRUST	

N	2.0000000	w1	.1800000	w2	.1300000	w3	.0700000	SF	.0677338	LFr	.7978306
PRA	1.0600000	PRB	1.0258114	PRC	1.0426766	L	.2030735	min	.1003509	max	.2722190
Si	3.324479	SAB	2.991654	Sf	3.199842	K	.1027227	z	.0691455	m	.0700000
n	.1300000	gam	33.485349	b-al	20.170979	the	110.17100	phi	123.48537	2-LEVEL THRUST	

N	2.0000000	w1	.1800000	w2	.1300000	w3	.0700000	SF	.0677338	LFr	.7373610
PRA	1.0695442	PRB	1.0215739	PRC	1.1378104	L	.1437073	min	.1003509	max	.2722190
Si	2.849549	SAB	2.752890	Sf	3.199842	K	.0433564	z	.1285117	m	.0700000
n	.1300000	gam	33.485349	b-al	20.170979	the	110.17100	phi	123.48537	2-LEVEL THRUST	

N	2.0000000	w1	.1800000	w2	.1300000	w3	.0800000	SF	.0720339	LFr	.8750038
PRA	1.0600000	PRB	1.0067963	PRC	1.0045355	L	.2658596	min	.1064640	max	.2683321
Si	3.799399	SAB	3.283925	Sf	3.203124	K	.1593956	z	.0024725	m	.0800000
n	.1300000	gam	33.485349	b-al	22.290742	the	112.29076	phi	123.48537		

N	2.0000000	w1	.1800000	w2	.1300000	w3	.0800000	SF	.0720339	LFr	.8024407
PRA	1.0700000	PRB	1.0069051	PRC	1.0559718	L	.1980133	min	.1064640	max	.2683321
Si	3.256629	SAB	3.012540	Sf	3.203124	K	.0915493	z	.0703188	m	.0800000
n	.1300000	gam	33.485349	b-al	22.290742	the	112.29076	phi	123.48537	2-LEVEL THRUST	

N	2.0000000	w1	.1800000	w2	.1300000	w3	.0800000	SF	.0720339	LFr	.7480183
PRA	1.0787514	PRB	1.0014589	PRC	1.1400892	L	.1471291	min	.1064640	max	.2683321
Si	2.849555	SAB	2.805445	Sf	3.203124	K	.0406651	z	.1212031	m	.0800000
n	.1300000	gam	33.485349	b-al	22.290742	the	112.29076	phi	123.48537	2-LEVEL THRUST	

N	2.0000000	w1	.1800000	w2	.1300000	w3	.0800000	SF	.0720339	LFr	.7056894
PRA	1.0756438	PRB	.9903407	PRC	1.2371683	L	.1075516	min	.1064640	max	.2683321
Si	2.532935	SAB	2.614329	Sf	3.203124	K	.0010876	z	.1607806	m	.0800000
n	.1300000	gam	33.485349	b-al	22.290742	the	112.29076	phi	123.48537	2-LEVEL THRUST	

N	2.0000000	w1	.1800000	w2	.1300000	w3	.0900000	SF	.0772457	LFr	.8736324
PRA	1.0700000	PRB	.9912683	PRC	1.0014578	L	.2521858	min	.1121427	max	.2640108
Si	3.663717	SAB	3.271434	Sf	3.207365	K	.1400432	z	.0118250	m	.0900000
n	.1300000	gam	33.485349	b-al	24.443137	the	114.44316	phi	123.48537		

N	2.0000000	w1	.1800000	w2	.1300000	w3	.0900000	SF	.0772457	LFr	.8094902
PRA	1.0799960	PRB	.9896794	PRC	1.0652048	L	.1949387	min	.1121427	max	.2640108
Si	3.205740	SAB	3.042432	Sf	3.207365	K	.0827960	z	.0690722	m	.0900000
n	.1300000	gam	33.485349	b-al	24.443137	the	114.44316	phi	123.48537	2-LEVEL THRUST	

N	2.0000000	w1	.1800000	w2	.1300000	w3	.0900000	SF	.0772457	LFr	.7596035
PRA	1.0875410	PRB	.9841187	PRC	1.1406129	L	.1504154	min	.1121427	max	.2640108
Si	2.849554	SAB	2.857345	Sf	3.207365	K	.0382728	z	.1135954	m	.0900000
n	.1300000	gam	33.485349	b-al	24.443137	the	114.44316	phi	123.48537	2-LEVEL THRUST	

N	2.0000000	w1	.1800000	w2	.1300000	w3	.0900000	SF	.0772457	LFr	.7196941
PRA	1.0836534	PRB	.9752296	PRC	1.2271984	L	.1147957	min	.1121427	max	.2640108
Si	2.564596	SAB	2.679951	Sf	3.207365	K	.0026530	z	.1492151	m	.0900000
n	.1300000	gam	33.485349	b-al	24.443137	the	114.44316	phi	123.48537	2-LEVEL THRUST	

N	2.0000000	w1	.1800000	w2	.1300000	w3	.1000000	SF	.0835362	LFr	.8765345
PRA	1.0800000	PRB	.9777727	PRC	1.0028796	L	.2426167	min	.1173639	max	.2592320
Si	3.561944	SAB	3.276434	Sf	3.212832	K	.1252528	z	.0166154	m	.1000000
n	.1300000	gam	33.485349	b-al	26.632957	the	116.63298	phi	123.48537	2-LEVEL THRUST	

N	2.0000000	w1	.1800000	w2	.1300000	w3	.1000000	SF	.0835362	LFr	.8185825
PRA	1.0898216	PRB	.9751009	PRC	1.0704668	L	.1931439	min	.1173639	max	.2592320
Si	3.166162	SAB	3.077976	Sf	3.212832	K	.0757800	z	.0660882	m	.1000000
n	.1300000	gam	33.485349	b-al	26.632957	the	116.63298	phi	123.48537	2-LEVEL THRUST	

N	2.0000000	w1	.1800000	w2	.1300000	w3	.1000000	SF	.0835362	LFr	.7722244
PRA	1.0959506	PRB	.9700933	PRC	1.1386113	L	.1535683	min	.1173639	max	.2592320
Si	2.849557	SAB	2.908701	Sf	3.212832	K	.0362044	z	.1056638	m	.1000000
n	.1300000	gam	33.485349	b-al	26.632957	the	116.63298	phi	123.48537	2-LEVEL THRUST	

N	2.0000000	w1	.1800000	w2	.1300000	w3	.1000000	SF	.0835362	LFr	.7342920
PRA	1.0913363	PRB	.9630857	PRC	1.2164631	L	.1211853	min	.1173639	max	.2592320
Si	2.590494	SAB	2.742358	Sf	3.212832	K	.0038214	z	.1380467	m	.1000000
n	.1300000	gam	33.485349	b-al	26.632957	the	116.63298	phi	123.48537	2-LEVEL THRUST	

N	2.0000000	w1	.1800000	w2	.1300000	w3	.1100000	SF	.0910502	LFr	.8826914
PRA	1.0900000	PRB	.9676463	PRC	1.0104030	L	.2357407	min	.1221019	max	.2539700
Si	3.482783	SAB	3.293271	Sf	3.219873	K	.1136388	z	.0182293	m	.1100000
n	.1300000	gam	33.485349	b-al	28.865617	the	118.86564	phi	123.48537	2-LEVEL THRUST	

N	2.0000000	wl	.1800000	w2	.1300000	w3	.1100000	SF	.0910502	LFr	.8294773
PRA	1.0992860	PRB	.9646518	PRC	1.0708943	L	.1922054	min	.1221019	max	.2539700
Si	3.134501	SAB	3.116891	Sf	3.219873	K	.0701036	z	.0617646	m	.1100000
n	.1300000	gam	33.485349	b-al	28.865617	the	118.86564	phi	123.48537	2-LEVEL THRUST	
N	2.0000000	wl	.1800000	w2	.1300000	w3	.1100000	SF	.0910502	LFr	.7859411
PRA	1.1040425	PRB	.9605309	PRC	1.1326149	L	.1565876	min	.1221019	max	.2539700
Si	2.849558	SAB	2.959683	Sf	3.219873	K	.0344858	z	.0973824	m	.1100000
n	.1300000	gam	33.485349	b-al	28.865617	the	118.86564	phi	123.48537	2-LEVEL THRUST	
N	2.0000000	wl	.1800000	w2	.1300000	w3	.1100000	SF	.0910502	LFr	.7496586
PRA	1.0988231	PRB	.9552342	PRC	1.2027266	L	.1269035	min	.1221019	max	.2539700
Si	2.612086	SAB	2.802606	Sf	3.219873	K	.0048017	z	.1270665	m	.1100000
n	.1300000	gam	33.485349	b-al	28.865617	the	118.86564	phi	123.48537	2-LEVEL THRUST	
N	2.0000000	wl	.1800000	w2	.1400000	w3	.0200000	SF	.0689888	LFr	.7066078
PRA	1.0200000	PRB	1.1711220	PRC	1.1089876	L	.1290531	min	.0707263	max	.2856758
Si	2.849548	SAB	2.470326	Sf	3.208360	K	.0583269	z	.1566226	m	.0200000
n	.1400000	gam	35.888000	b-al	9.928032	the	99.928055	phi	125.88802	2-LEVEL THRUST	
N	2.0000000	wl	.1800000	w2	.1400000	w3	.0300000	SF	.0701113	LFr	.7131071
PRA	1.0300000	PRB	1.1404143	PRC	1.1156167	L	.1331768	min	.0787875	max	.2837370
Si	2.849550	SAB	2.522329	Sf	3.209071	K	.0543893	z	.1505602	m	.0300000
n	.1400000	gam	35.888000	b-al	11.940427	the	101.94045	phi	125.88802	2-LEVEL THRUST	
N	2.0000000	wl	.1800000	w2	.1400000	w3	.0400000	SF	.0716200	LFr	.8291683
PRA	1.0300000	PRB	1.1001366	PRC	.9914982	L	.2558880	min	.0864825	max	.2814320
Si	3.799411	SAB	3.049842	Sf	3.210095	K	.1694055	z	.0255440	m	.0400000
n	.1400000	gam	35.888000	b-al	13.967897	the	103.96792	phi	125.88802		
N	2.0000000	wl	.1800000	w2	.1400000	w3	.0400000	SF	.0716200	LFr	.7203226
PRA	1.0400000	PRB	1.1112678	PRC	1.1218552	L	.1371555	min	.0864825	max	.2814320
Si	2.849552	SAB	2.574912	Sf	3.210095	K	.0506730	z	.1442765	m	.0400000
n	.1400000	gam	35.888000	b-al	13.967897	the	103.96792	phi	125.88802	2-LEVEL THRUST	
N	2.0000000	wl	.1800000	w2	.1400000	w3	.0500000	SF	.0737696	LFr	.8146143
PRA	1.0400000	PRB	1.0809224	PRC	.9955871	L	.2300396	min	.0938017	max	.2787512
Si	3.561935	SAB	2.984254	Sf	3.211512	K	.1362379	z	.0487116	m	.0500000
n	.1400000	gam	35.888000	b-al	16.013382	the	106.01341	phi	125.88802	2-LEVEL THRUST	
N	2.0000000	wl	.1800000	w2	.1400000	w3	.0500000	SF	.0737696	LFr	.7284451
PRA	1.0500006	PRB	1.0837214	PRC	1.1276032	L	.1409912	min	.0938017	max	.2787512
Si	2.849548	SAB	2.628062	Sf	3.211512	K	.0471896	z	.1377600	m	.0500000
n	.1400000	gam	35.888000	b-al	16.013382	the	106.01341	phi	125.88802	2-LEVEL THRUST	
N	2.0000000	wl	.1800000	w2	.1400000	w3	.0600000	SF	.0764856	LFr	.8099184
PRA	1.0500000	PRB	1.0602859	PRC	1.0215720	L	.2159290	min	.1007393	max	.2756888
Si	3.419466	SAB	2.966723	Sf	3.213431	K	.1151898	z	.0597598	m	.0600000
n	.1400000	gam	35.888000	b-al	18.079681	the	108.07970	phi	125.88802	2-LEVEL THRUST	
N	2.0000000	wl	.1800000	w2	.1400000	w3	.0600000	SF	.0764856	LFr	.7373543
PRA	1.0598803	PRB	1.0579749	PRC	1.1327346	L	.1446896	min	.1007393	max	.2756888
Si	2.849550	SAB	2.681424	Sf	3.213431	K	.0439503	z	.1309992	m	.0600000
n	.1400000	gam	35.888000	b-al	18.079681	the	108.07970	phi	125.88802	2-LEVEL THRUST	
N	2.0000000	wl	.1800000	w2	.1400000	w3	.0700000	SF	.0799475	LFr	.8106594
PRA	1.0600000	PRB	1.0395139	PRC	1.0404290	L	.2076130	min	.1072695	max	.2722190
Si	3.324477	SAB	2.973494	Sf	3.215954	K	.1003435	z	.0646060	m	.0700000
n	.1400000	gam	35.888000	b-al	20.170979	the	110.17100	phi	125.88802	2-LEVEL THRUST	
N	2.0000000	wl	.1800000	w2	.1400000	w3	.0700000	SF	.0799475	LFr	.7471657
PRA	1.0694068	PRB	1.0343552	PRC	1.1370719	L	.1482468	min	.1072695	max	.2722190
Si	2.849547	SAB	2.734338	Sf	3.215954	K	.0409773	z	.1239722	m	.0700000
n	.1400000	gam	35.888000	b-al	20.170979	the	110.17100	phi	125.88802	2-LEVEL THRUST	

N	2.0000000	w1	.1800000	w2	.1400000	w3	.0800000	SF	.0842476	LFr	.8149319
PRA	1.0700000	PRB	1.0194397	PRC	1.0545915	L	.2025528	min	.1133826	max	.2683321
Si	3.256626	SAB	2.994380	Sf	3.219235	K	.0891702	z	.0657793	m	.0800000
n	.1400000	gam	35.888000	b-al	22.290742	the	112.29076	phi	125.88802	2-LEVEL THRUST	

N	2.0000000	w1	.1800000	w2	.1400000	w3	.0800000	SF	.0842476	LFr	.7579184
PRA	1.0784986	PRB	1.0130453	PRC	1.1403937	L	.1516686	min	.1133826	max	.2683321
Si	2.849552	SAB	2.786564	Sf	3.219235	K	.0382859	z	.1166636	m	.0800000
n	.1400000	gam	35.888000	b-al	22.290742	the	112.29076	phi	125.88802	2-LEVEL THRUST	

N	2.0000000	w1	.1800000	w2	.1400000	w3	.0900000	SF	.0894594	LFr	.8888264
PRA	1.0700000	PRB	1.0022246	PRC	.9886417	L	.2567253	min	.1190613	max	.2640108
Si	3.663715	SAB	3.253274	Sf	3.223477	K	.1376640	z	.0072855	m	.0900000
n	.1400000	gam	35.888000	b-al	24.443137	the	114.44316	phi	125.88802	2-LEVEL THRUST	

N	2.0000000	w1	.1800000	w2	.1400000	w3	.0900000	SF	.0894594	LFr	.8217697
PRA	1.0799884	PRB	1.0006960	PRC	1.0651333	L	.1994801	min	.1190613	max	.2640108
Si	3.205753	SAB	3.024256	Sf	3.223477	K	.0804187	z	.0645308	m	.0900000
n	.1400000	gam	35.888000	b-al	24.443137	the	114.44316	phi	125.88802	2-LEVEL THRUST	

N	2.0000000	w1	.1800000	w2	.1400000	w3	.0900000	SF	.0894594	LFr	.7696142
PRA	1.0871596	PRB	.9942157	PRC	1.1423959	L	.1549549	min	.1190613	max	.2640108
Si	2.849552	SAB	2.838098	Sf	3.223477	K	.0358936	z	.1090559	m	.0900000
n	.1400000	gam	35.888000	b-al	24.443137	the	114.44316	phi	125.88802	2-LEVEL THRUST	

N	2.0000000	w1	.1800000	w2	.1400000	w3	.0900000	SF	.0894594	LFr	.7278900
PRA	1.0818661	PRB	.9836700	PRC	1.2332466	L	.1193352	min	.1190613	max	.2640108
Si	2.564594	SAB	2.657206	Sf	3.223477	K	.0002739	z	.1446757	m	.0900000
n	.1400000	gam	35.888000	b-al	24.443137	the	114.44316	phi	125.88802	2-LEVEL THRUST	

N	2.0000000	w1	.1800000	w2	.1400000	w3	.1000000	SF	.0957499	LFr	.8912039
PRA	1.0800000	PRB	.9870271	PRC	1.0040236	L	.2471562	min	.1242826	max	.2592320
Si	3.561942	SAB	3.258273	Sf	3.228944	K	.1228736	z	.0120759	m	.1000000
n	.1400000	gam	35.888000	b-al	26.632957	the	116.63298	phi	125.88802	2-LEVEL THRUST	

N	2.0000000	w1	.1800000	w2	.1400000	w3	.1000000	SF	.0957499	LFr	.8307352
PRA	1.0897623	PRB	.9840727	PRC	1.0724165	L	.1976853	min	.1242826	max	.2592320
Si	3.166175	SAB	3.059637	Sf	3.228944	K	.0734027	z	.0615468	m	.1000000
n	.1400000	gam	35.888000	b-al	26.632957	the	116.63298	phi	125.88802	2-LEVEL THRUST	

N	2.0000000	w1	.1800000	w2	.1400000	w3	.1000000	SF	.0957499	LFr	.7823591
PRA	1.0954343	PRB	.9781432	PRC	1.1426157	L	.1581078	min	.1242826	max	.2592320
Si	2.849555	SAB	2.889069	Sf	3.228944	K	.0338252	z	.1011243	m	.1000000
n	.1400000	gam	35.888000	b-al	26.632957	the	116.63298	phi	125.88802	2-LEVEL THRUST	

N	2.0000000	w1	.1800000	w2	.1400000	w3	.1000000	SF	.0957499	LFr	.7427797
PRA	1.0894660	PRB	.9696145	PRC	1.2246005	L	.1257267	min	.1242826	max	.2592320
Si	2.590506	SAB	2.719362	Sf	3.228944	K	.0014442	z	.1335053	m	.1000000
n	.1400000	gam	35.888000	b-al	26.632957	the	116.63298	phi	125.88802	2-LEVEL THRUST	

N	2.0000000	w1	.1800000	w2	.1400000	w3	.1100000	SF	.1032639	LFr	.8970003
PRA	1.0900000	PRB	.9739761	PRC	1.0144537	L	.2402802	min	.1290205	max	.2539700
Si	3.482780	SAB	3.275111	Sf	3.235985	K	.1112597	z	.0136899	m	.1100000
n	.1400000	gam	35.888000	b-al	28.865617	the	118.86564	phi	125.88802	2-LEVEL THRUST	

N	2.0000000	w1	.1800000	w2	.1400000	w3	.1100000	SF	.1032639	LFr	.8415728
PRA	1.0991459	PRB	.9704667	PRC	1.0762232	L	.1967468	min	.1290205	max	.2539700
Si	3.134514	SAB	3.098300	Sf	3.235985	K	.0677263	z	.0572232	m	.1100000
n	.1400000	gam	35.888000	b-al	28.865617	the	118.86564	phi	125.88802	2-LEVEL THRUST	

N	2.0000000	w1	.1800000	w2	.1400000	w3	.1100000	SF	.1032639	LFr	.7962198
PRA	1.1033901	PRB	.9653637	PRC	1.1402970	L	.1611271	min	.1290205	max	.2539700
Si	2.849556	SAB	2.939663	Sf	3.235985	K	.0321066	z	.0928429	m	.1100000
n	.1400000	gam	35.888000	b-al	28.865617	the	118.86564	phi	125.88802	2-LEVEL THRUST	

N	2.0000000	w1	.1800000	w2	.1400000	w3	.1100000	SF	.1032639	LFr	.7584248
PRA	1.0968610	PRB	.9585834	PRC	1.2146134	L	.1314430	min	.1290205	max	.2539700
Si	2.612083	SAB	2.779320	Sf	3.235985	K	.0024225	z	.1225270	m	.1100000
n	.1400000	gam	35.888000	b-al	28.865617	the	118.86564	phi	125.88802	2-LEVEL THRUST	

N	2.0000000	w1	.1800000	w2	.1400000	w3	.1200000	SF	.1121502	LFr	.9056034
PRA	1.0999504	PRB	.9644571	PRC	1.0195398	L	.2352524	min	.1332449	max	.2481944
Si	3.419465	SAB	3.300233	Sf	3.245127	K	.1020075	z	.0129420	m	.1200000
n	.1400000	gam	35.888000	b-al	31.147322	the	121.14734	phi	125.88802	2-LEVEL THRUST	

N	2.0000000	w1	.1800000	w2	.1400000	w3	.1200000	SF	.1121502	LFr	.8541489
PRA	1.1081263	PRB	.9611616	PRC	1.0755337	L	.1963940	min	.1332449	max	.2481944
Si	3.108598	SAB	3.139144	Sf	3.245127	K	.0631491	z	.0518004	m	.1200000
n	.1400000	gam	35.888000	b-al	31.147322	the	121.14734	phi	125.88802	2-LEVEL THRUST	

N	2.0000000	w1	.1800000	w2	.1400000	w3	.1200000	SF	.1121502	LFr	.8112707
PRA	1.1111087	PRB	.9570517	PRC	1.1339905	L	.1640129	min	.1332449	max	.2481944
Si	2.849550	SAB	2.990108	Sf	3.245127	K	.0307680	z	.0841815	m	.1200000
n	.1400000	gam	35.888000	b-al	31.147322	the	121.14734	phi	125.88802	2-LEVEL THRUST	

N	2.0000000	w1	.1800000	w2	.1400000	w3	.1200000	SF	.1121502	LFr	.7749901
PRA	1.1041798	PRB	.9518955	PRC	1.2012694	L	.1366139	min	.1332449	max	.2481944
Si	2.630357	SAB	2.837932	Sf	3.245127	K	.0033690	z	.1115805	m	.1200000
n	.1400000	gam	35.888000	b-al	31.147322	the	121.14734	phi	125.88802	2-LEVEL THRUST	

N	2.0000000	w1	.1800000	w2	.1500000	w3	.0200000	SF	.0832481	LFr	.7168417
PRA	1.0200000	PRB	1.1887292	PRC	1.1092592	L	.1341114	min	.0782973	max	.2856758
Si	2.849555	SAB	2.450101	Sf	3.230724	K	.0558141	z	.1515644	m	.0200000
n	.1500000	gam	38.366264	b-al	9.928032	the	99.928055	phi	128.36628	2-LEVEL THRUST	

N	2.0000000	w1	.1800000	w2	.1500000	w3	.0300000	SF	.0843706	LFr	.7233963
PRA	1.0300000	PRB	1.1570856	PRC	1.1161556	L	.1382351	min	.0863586	max	.2837370
Si	2.849557	SAB	2.502104	Sf	3.231435	K	.0518766	z	.1455019	m	.0300000
n	.1500000	gam	38.366264	b-al	11.940427	the	101.94045	phi	128.36628	2-LEVEL THRUST	

N	2.0000000	w1	.1800000	w2	.1500000	w3	.0400000	SF	.0858793	LFr	.8455715
PRA	1.0300000	PRB	1.1155481	PRC	.9759514	L	.2609444	min	.0940536	max	.2814320
Si	3.799404	SAB	3.029609	Sf	3.232459	K	.1668908	z	.0204877	m	.0400000
n	.1500000	gam	38.366264	b-al	13.967897	the	103.96792	phi	128.36628		

N	2.0000000	w1	.1800000	w2	.1500000	w3	.0400000	SF	.0858793	LFr	.7306786
PRA	1.0400000	PRB	1.1269974	PRC	1.1227261	L	.1422119	min	.0940536	max	.2814320
Si	2.849544	SAB	2.554679	Sf	3.232459	K	.0481584	z	.1392201	m	.0400000
n	.1500000	gam	38.366264	b-al	13.967897	the	103.96792	phi	128.36628	2-LEVEL THRUST	

N	2.0000000	w1	.1800000	w2	.1500000	w3	.0500000	SF	.0880280	LFr	.8295889
PRA	1.0400000	PRB	1.0963213	PRC	.9951834	L	.2350979	min	.1013727	max	.2787512
Si	3.561943	SAB	2.964029	Sf	3.233877	K	.1337252	z	.0436533	m	.0500000
n	.1500000	gam	38.366264	b-al	16.013382	the	106.01341	phi	128.36628	2-LEVEL THRUST	

N	2.0000000	w1	.1800000	w2	.1500000	w3	.0500000	SF	.0880280	LFr	.7388840
PRA	1.0499958	PRB	1.0984982	PRC	1.1288751	L	.1460495	min	.1013727	max	.2787512
Si	2.849556	SAB	2.607823	Sf	3.233877	K	.0446768	z	.1327017	m	.0500000
n	.1500000	gam	38.366264	b-al	16.013382	the	106.01341	phi	128.36628	2-LEVEL THRUST	

N	2.0000000	w1	.1800000	w2	.1500000	w3	.0600000	SF	.0907450	LFr	.8240757
PRA	1.0500000	PRB	1.0751376	PRC	1.0214379	L	.2209854	min	.1083103	max	.2756888
Si	3.419459	SAB	2.946490	Sf	3.235795	K	.1126751	z	.0547034	m	.0600000
n	.1500000	gam	38.366264	b-al	18.079681	the	108.07970	phi	128.36628	2-LEVEL THRUST	

N	2.0000000	w1	.1800000	w2	.1500000	w3	.0600000	SF	.0907450	LFr	.7478857
PRA	1.0598129	PRB	1.0718262	PRC	1.1345161	L	.1497479	min	.1083103	max	.2756888
Si	2.849558	SAB	2.661007	Sf	3.235795	K	.0414375	z	.1259409	m	.0600000
n	.1500000	gam	38.366264	b-al	18.079681	the	108.07970	phi	128.36628	2-LEVEL THRUST	

N	2.0000000	w1	.1800000	w2	.1500000	w3	.0700000	SF	.0942068	LFr	.8243208		
PRA	1.0600000	PRB	1.0535207	PRC	1.0408148	L	.2126713	min	.1148405	max	.2722190		
Si	3.324485	SAB	2.953269	Sf	3.238318	K	.0978308	z	.0595477	m	.0700000		
n	.1500000	gam	38.366264	b-al	20.170979	the	110.17100	phi	128.36628	2-LEVEL THRUST			
N	2.0000000	w1	.1800000	w2	.1500000	w3	.0700000	SF	.0942068	LFr	.7578039		
PRA	1.0692328	PRB	1.0472661	PRC	1.1394987	L	.1533051	min	.1148405	max	.2722190		
Si	2.849555	SAB	2.713617	Sf	3.238318	K	.0384645	z	.1189140	m	.0700000		
n	.1500000	gam	38.366264	b-al	20.170979	the	110.17100	phi	128.36628	2-LEVEL THRUST			
N	2.0000000	w1	.1800000	w2	.1500000	w3	.0800000	SF	.0985060	LFr	.8282814		
PRA	1.0700000	PRB	1.0323896	PRC	1.0557284	L	.2076111	min	.1209537	max	.2683321		
Si	3.256634	SAB	2.974155	Sf	3.241600	K	.0866574	z	.0607210	m	.0800000		
n	.1500000	gam	38.366264	b-al	22.290742	the	112.29076	phi	128.36628	2-LEVEL THRUST			
N	2.0000000	w1	.1800000	w2	.1500000	w3	.0800000	SF	.0985060	LFr	.7686749		
PRA	1.0781940	PRB	1.0249297	PRC	1.1436616	L	.1567249	min	.1209537	max	.2683321		
Si	2.849545	SAB	2.765463	Sf	3.241600	K	.0357713	z	.1116072	m	.0800000		
n	.1500000	gam	38.366264	b-al	22.290742	the	112.29076	phi	128.36628	2-LEVEL THRUST			
N	2.0000000	w1	.1800000	w2	.1500000	w3	.0900000	SF	.1037178	LFr	.9048996		
PRA	1.0700000	PRB	1.0140250	PRC	.9900735	L	.2617817	min	.1266324	max	.2640108		
Si	3.663707	SAB	3.233041	Sf	3.245841	K	.1351493	z	.0022291	m	.0900000		
n	.1500000	gam	38.366264	b-al	24.443137	the	114.44316	phi	128.36628	2-LEVEL THRUST			
N	2.0000000	w1	.1800000	w2	.1500000	w3	.0900000	SF	.1037178	LFr	.8349285		
PRA	1.0799756	PRB	1.0123714	PRC	1.0673093	L	.2045364	min	.1266324	max	.2640108		
Si	3.205745	SAB	3.003981	Sf	3.245841	K	.0779041	z	.0594744	m	.0900000		
n	.1500000	gam	38.366264	b-al	24.443137	the	114.44316	phi	128.36628	2-LEVEL THRUST			
N	2.0000000	w1	.1800000	w2	.1500000	w3	.0900000	SF	.1037178	LFr	.7805052		
PRA	1.0867109	PRB	1.0049002	PRC	1.1467835	L	.1600113	min	.1266324	max	.2640108		
Si	2.849544	SAB	2.816585	Sf	3.245841	K	.0333790	z	.1039995	m	.0900000		
n	.1500000	gam	38.366264	b-al	24.443137	the	114.44316	phi	128.36628	2-LEVEL THRUST			
N	2.0000000	w1	.1800000	w2	.1500000	w3	.1000000	SF	.1100082	LFr	.9067860		
PRA	1.0800000	PRB	.9975339	PRC	1.0065774	L	.2522144	min	.1318536	max	.2592320		
Si	3.561950	SAB	3.238048	Sf	3.251308	K	.1203609	z	.0070176	m	.1000000		
n	.1500000	gam	38.366264	b-al	26.632957	the	116.63298	phi	128.36628	2-LEVEL THRUST			
N	2.0000000	w1	.1800000	w2	.1500000	w3	.1000000	SF	.1100082	LFr	.8437948		
PRA	1.0896869	PRB	.9941954	PRC	1.0760494	L	.2027416	min	.1318536	max	.2592320		
Si	3.166167	SAB	3.039164	Sf	3.251308	K	.0708881	z	.0564904	m	.1000000		
n	.1500000	gam	38.366264	b-al	26.632957	the	116.63298	phi	128.36628	2-LEVEL THRUST			
N	2.0000000	w1	.1800000	w2	.1500000	w3	.1000000	SF	.1100082	LFr	.7934036		
PRA	1.0948355	PRB	.9873158	PRC	1.1485630	L	.1631642	min	.1318536	max	.2592320		
Si	2.849547	SAB	2.867129	Sf	3.251308	K	.0313106	z	.0960679	m	.1000000		
n	.1500000	gam	38.366264	b-al	26.632957	the	116.63298	phi	128.36628	2-LEVEL THRUST			
N	2.0000000	w1	.1800000	w2	.1500000	w3	.1100000	SF	.1175232	LFr	.9122486		
PRA	1.0900012	PRB	.9825309	PRC	1.0188617	L	.2453385	min	.1365915	max	.2539700		
Si	3.482788	SAB	3.254889	Sf	3.258349	K	.1087469	z	.0086316	m	.1100000		
n	.1500000	gam	38.366264	b-al	28.865617	the	118.86564	phi	128.36628	2-LEVEL THRUST			
N	2.0000000	w1	.1800000	w2	.1500000	w3	.1100000	SF	.1175232	LFr	.8546009		
PRA	1.0989787	PRB	.9785010	PRC	1.0820125	L	.2018032	min	.1365915	max	.2539700		
Si	3.134506	SAB	3.077543	Sf	3.258349	K	.0652117	z	.0521668	m	.1100000		
n	.1500000	gam	38.366264	b-al	28.865617	the	118.86564	phi	128.36628	2-LEVEL THRUST			
N	2.0000000	w1	.1800000	w2	.1500000	w3	.1100000	SF	.1175232	LFr	.8074341		
PRA	1.1026406	PRB	.9724512	PRC	1.1485494	L	.1661835	min	.1365915	max	.2539700		
Si	2.849548	SAB	2.917293	Sf	3.258349	K	.0295920	z	.0877865	m	.1100000		
n	.1500000	gam	38.366264	b-al	28.865617	the	118.86564	phi	128.36628	2-LEVEL THRUST			

N	2.0000000	w1	.1800000	w2	.1500000	w3	.1200000	SF	.1264095	LFr	.9206352
PRA	1.0999261	PRB	.9699082	PRC	1.0271197	L	.2403088	min	.1408159	max	.2481944
Si	3.419458	SAB	3.279916	Sf	3.267491	K	.0994929	z	.0078856	m	.1200000
n	.1500000	gam	38.366264	b-al	31.147322	the	121.14734	phi	128.36628	2-LEVEL THRUST	

N	2.0000000	w1	.1800000	w2	.1500000	w3	.1200000	SF	.1264095	LFr	.8672037
PRA	1.1078522	PRB	.9659641	PRC	1.0848457	L	.2014523	min	.1408159	max	.2481944
Si	3.108606	SAB	3.118067	Sf	3.267491	K	.0606364	z	.0467421	m	.1200000
n	.1500000	gam	38.366264	b-al	31.147322	the	121.14734	phi	128.36628	2-LEVEL THRUST	

N	2.0000000	w1	.1800000	w2	.1500000	w3	.1200000	SF	.1264095	LFr	.8226767
PRA	1.1102129	PRB	.9608550	PRC	1.1460158	L	.1690712	min	.1408159	max	.2481944
Si	2.849557	SAB	2.967330	Sf	3.267491	K	.0282553	z	.0791232	m	.1200000
n	.1500000	gam	38.366264	b-al	31.147322	the	121.14734	phi	128.36628	2-LEVEL THRUST	

N	2.0000000	w1	.1800000	w2	.1500000	w3	.1200000	SF	.1264095	LFr	.7849980
PRA	1.1018186	PRB	.9542498	PRC	1.2179128	L	.1416702	min	.1408159	max	.2481944
Si	2.630349	SAB	2.811487	Sf	3.267491	K	.0008543	z	.1065242	m	.1200000
n	.1500000	gam	38.366264	b-al	31.147322	the	121.14734	phi	128.36628	2-LEVEL THRUST	

N	2.0000000	w1	.1800000	w2	.1500000	w3	.1300000	SF	.1368580	LFr	.9315748
PRA	1.1095691	PRB	.9612194	PRC	1.0306664	L	.2365875	min	.1444897	max	.2418681
Si	3.367658	SAB	3.310299	Sf	3.279501	K	.0920979	z	.0052806	m	.1300000
n	.1500000	gam	38.366264	b-al	33.485349	the	123.48537	phi	128.36628	2-LEVEL THRUST	

N	2.0000000	w1	.1800000	w2	.1500000	w3	.1300000	SF	.1368580	LFr	.8815498
PRA	1.1163707	PRB	.9578056	PRC	1.0834585	L	.2015076	min	.1444897	max	.2418681
Si	3.087018	SAB	3.160226	Sf	3.279501	K	.0570179	z	.0403606	m	.1300000
n	.1500000	gam	38.366264	b-al	33.485349	the	123.48537	phi	128.36628	2-LEVEL THRUST	

N	2.0000000	w1	.1800000	w2	.1500000	w3	.1300000	SF	.1368580	LFr	.8392191
PRA	1.1176490	PRB	.9537317	PRC	1.1395533	L	.1718235	min	.1444897	max	.2418681
Si	2.849546	SAB	3.017498	Sf	3.279501	K	.0273339	z	.0700446	m	.1300000
n	.1500000	gam	38.366264	b-al	33.485349	the	123.48537	phi	128.36628	2-LEVEL THRUST	

N	2.0000000	w1	.1800000	w2	.1500000	w3	.1300000	SF	.1368580	LFr	.8029385
PRA	1.1091040	PRB	.9486867	PRC	1.2048369	L	.1463814	min	.1444897	max	.2418681
Si	2.646009	SAB	2.869173	Sf	3.279501	K	.0018917	z	.0954867	m	.1300000
n	.1500000	gam	38.366264	b-al	33.485349	the	123.48537	phi	128.36628	2-LEVEL THRUST	

N	2.0000000	w1	.1800000	w2	.1600000	w3	.0200000	SF	.0998993	LFr	.7278938
PRA	1.0200000	PRB	1.2063921	PRC	1.1144387	L	.1397495	min	.0865851	max	.2856758
Si	2.849553	SAB	2.427546	Sf	3.263715	K	.0531644	z	.1459262	m	.0200000
n	.1600000	gam	40.932521	b-al	9.928032	the	99.928055	phi	130.93254	2-LEVEL THRUST	

N	2.0000000	w1	.1800000	w2	.1600000	w3	.0300000	SF	.1010218	LFr	.7345371
PRA	1.0300000	PRB	1.1737667	PRC	1.1216370	L	.1438732	min	.0946464	max	.2837370
Si	2.849555	SAB	2.479549	Sf	3.264426	K	.0492269	z	.1398638	m	.0300000
n	.1600000	gam	40.932521	b-al	11.940427	the	101.94045	phi	130.93254	2-LEVEL THRUST	

N	2.0000000	w1	.1800000	w2	.1600000	w3	.0400000	SF	.1025305	LFr	.8628569
PRA	1.0300000	PRB	1.1313245	PRC	.9646853	L	.2665825	min	.1023414	max	.2814320
Si	3.799401	SAB	3.007054	Sf	3.265449	K	.1642411	z	.0148495	m	.0400000
n	.1600000	gam	40.932521	b-al	13.967897	the	103.96792	phi	130.93254		

N	2.0000000	w1	.1800000	w2	.1600000	w3	.0400000	SF	.1025305	LFr	.7419186
PRA	1.0400000	PRB	1.1427063	PRC	1.1285532	L	.1478520	min	.1023414	max	.2814320
Si	2.849557	SAB	2.532132	Sf	3.265449	K	.0455106	z	.1335801	m	.0400000
n	.1600000	gam	40.932521	b-al	13.967897	the	103.96792	phi	130.93254	2-LEVEL THRUST	

N	2.0000000	w1	.1800000	w2	.1600000	w3	.0500000	SF	.1046791	LFr	.8454723
PRA	1.0400000	PRB	1.1120184	PRC	.9987445	L	.2407360	min	.1096605	max	.2787512
Si	3.561940	SAB	2.941474	Sf	3.266867	K	.1310755	z	.0380152	m	.0500000
n	.1600000	gam	40.932521	b-al	16.013382	the	106.01341	phi	130.93254	2-LEVEL THRUST	

N	2.0000000	w1	.1800000	w2	.1600000	w3	.0500000	SF	.1046791	LFr	.7502327
PRA	1.0499828	PRB	1.1132458	PRC	1.1351178	L	.1516876	min	.1096605	max	.2787512
Si	2.849553	SAB	2.585231	Sf	3.266867	K	.0420271	z	.1270636	m	.0500000
n	.1600000	gam	40.932521	b-al	16.013382	the	106.01341	phi	130.93254	2-LEVEL THRUST	
N	2.0000000	w1	.1800000	w2	.1600000	w3	.0600000	SF	.1073961	LFr	.8391752
PRA	1.0500000	PRB	1.0902249	PRC	1.0254191	L	.2266255	min	.1165981	max	.2756888
Si	3.419471	SAB	2.923943	Sf	3.268785	K	.1100273	z	.0490633	m	.0600000
n	.1600000	gam	40.932521	b-al	18.079681	the	108.07970	phi	130.93254	2-LEVEL THRUST	
N	2.0000000	w1	.1800000	w2	.1600000	w3	.0600000	SF	.1073961	LFr	.7593546
PRA	1.0597185	PRB	1.0856810	PRC	1.1412460	L	.1553860	min	.1165981	max	.2756888
Si	2.849556	SAB	2.638183	Sf	3.268785	K	.0387879	z	.1203028	m	.0600000
n	.1600000	gam	40.932521	b-al	18.079681	the	108.07970	phi	130.93254	2-LEVEL THRUST	
N	2.0000000	w1	.1800000	w2	.1600000	w3	.0700000	SF	.1108570	LFr	.8389492
PRA	1.0600000	PRB	1.0677605	PRC	1.0453800	L	.2183094	min	.1231284	max	.2722190
Si	3.324482	SAB	2.930714	Sf	3.271308	K	.0951811	z	.0539096	m	.0700000
n	.1600000	gam	40.932521	b-al	20.170979	the	110.17100	phi	130.93254	2-LEVEL THRUST	
N	2.0000000	w1	.1800000	w2	.1600000	w3	.0700000	SF	.1108570	LFr	.7694092
PRA	1.0690139	PRB	1.0602404	PRC	1.1468166	L	.1589432	min	.1231284	max	.2722190
Si	2.849553	SAB	2.690439	Sf	3.271308	K	.0358148	z	.1132758	m	.0700000
n	.1600000	gam	40.932521	b-al	20.170979	the	110.17100	phi	130.93254	2-LEVEL THRUST	
N	2.0000000	w1	.1800000	w2	.1600000	w3	.0800000	SF	.1151571	LFr	.8426285
PRA	1.0700000	PRB	1.0456252	PRC	1.0610195	L	.2132492	min	.1292415	max	.2683321
Si	3.256632	SAB	2.951600	Sf	3.274590	K	.0840077	z	.0550829	m	.0800000
n	.1600000	gam	40.932521	b-al	22.290742	the	112.29076	phi	130.93254	2-LEVEL THRUST	
N	2.0000000	w1	.1800000	w2	.1600000	w3	.0800000	SF	.1151571	LFr	.7804299
PRA	1.0778270	PRB	1.0369804	PRC	1.1517038	L	.1623631	min	.1292415	max	.2683321
Si	2.849543	SAB	2.741862	Sf	3.274590	K	.0331216	z	.1059691	m	.0800000
n	.1600000	gam	40.932521	b-al	22.290742	the	112.29076	phi	130.93254	2-LEVEL THRUST	
N	2.0000000	w1	.1800000	w2	.1600000	w3	.0900000	SF	.1203690	LFr	.8491173
PRA	1.0799548	PRB	1.0244718	PRC	1.0735068	L	.2101746	min	.1349202	max	.2640108
Si	3.205743	SAB	2.981359	Sf	3.278831	K	.0752544	z	.0538363	m	.0900000
n	.1600000	gam	40.932521	b-al	24.443137	the	114.44316	phi	130.93254	2-LEVEL THRUST	
N	2.0000000	w1	.1800000	w2	.1600000	w3	.0900000	SF	.1203690	LFr	.7924290
PRA	1.0861827	PRB	1.0159267	PRC	1.1557348	L	.1656513	min	.1349202	max	.2640108
Si	2.849557	SAB	2.792534	Sf	3.278831	K	.0307312	z	.0983595	m	.0900000
n	.1600000	gam	40.932521	b-al	24.443137	the	114.44316	phi	130.93254	2-LEVEL THRUST	
N	2.0000000	w1	.1800000	w2	.1600000	w3	.1000000	SF	.1266594	LFr	.9234228
PRA	1.0800000	PRB	1.0088389	PRC	1.0124490	L	.2578526	min	.1401414	max	.2592320
Si	3.561947	SAB	3.215493	Sf	3.284298	K	.1177112	z	.0013795	m	.1000000
n	.1600000	gam	40.932521	b-al	26.632957	the	116.63298	phi	130.93254	2-LEVEL THRUST	
N	2.0000000	w1	.1800000	w2	.1600000	w3	.1000000	SF	.1266594	LFr	.8579130
PRA	1.0895912	PRB	1.0050167	PRC	1.0834125	L	.2083798	min	.1401414	max	.2592320
Si	3.166165	SAB	3.016307	Sf	3.284298	K	.0682384	z	.0508523	m	.1000000
n	.1600000	gam	40.932521	b-al	26.632957	the	116.63298	phi	130.93254	2-LEVEL THRUST	
N	2.0000000	w1	.1800000	w2	.1600000	w3	.1000000	SF	.1266594	LFr	.8055058
PRA	1.0941405	PRB	.9971337	PRC	1.1587091	L	.1688023	min	.1401414	max	.2592320
Si	2.849545	SAB	2.842594	Sf	3.284298	K	.0286609	z	.0904298	m	.1000000
n	.1600000	gam	40.932521	b-al	26.632957	the	116.63298	phi	130.93254	2-LEVEL THRUST	
N	2.0000000	w1	.1800000	w2	.1600000	w3	.1100000	SF	.1341734	LFr	.9285832
PRA	1.0900006	PRB	.9923422	PRC	1.0261131	L	.2509766	min	.1448794	max	.2539700
Si	3.482786	SAB	3.232332	Sf	3.291339	K	.1060972	z	.0029934	m	.1100000
n	.1600000	gam	40.932521	b-al	28.865617	the	118.86564	phi	130.93254	2-LEVEL THRUST	

N	2.0000000	w1	.1800000	w2	.1600000	w3	.1100000	SF	.1341734	LFr	.8687182		
PRA	1.0987788	PRB	.9877512	PRC	1.0909497	L	.2074413	min	.1448794	max	.2539700		
Si	3.134504	SAB	3.054361	Sf	3.291339	K	.0625620	z	.0465287	m	.1100000		
n	.1600000	gam	40.932521	b-al	28.865617	the	118.86564	phi	130.93254	2-LEVEL THRUST			
N	2.0000000	w1	.1800000	w2	.1600000	w3	.1100000	SF	.1341734	LFr	.8197374		
PRA	1.1017786	PRB	.9807372	PRC	1.1603242	L	.1718216	min	.1448794	max	.2539700		
Si	2.849546	SAB	2.892282	Sf	3.291339	K	.0269423	z	.0821484	m	.1100000		
n	.1600000	gam	40.932521	b-al	28.865617	the	118.86564	phi	130.93254	2-LEVEL THRUST			
N	2.0000000	w1	.1800000	w2	.1600000	w3	.1200000	SF	.1430607	LFr	.9367867		
PRA	1.0998923	PRB	.9776555	PRC	1.0364293	L	.2459488	min	.1491037	max	.2481944		
Si	3.419471	SAB	3.257255	Sf	3.300481	K	.0968451	z	.0022456	m	.1200000		
n	.1600000	gam	40.932521	b-al	31.147322	the	121.14734	phi	130.93254	2-LEVEL THRUST			
N	2.0000000	w1	.1800000	w2	.1600000	w3	.1200000	SF	.1430607	LFr	.8813734		
PRA	1.1075334	PRB	.9730893	PRC	1.0960519	L	.2070904	min	.1491037	max	.2481944		
Si	3.108604	SAB	3.094521	Sf	3.300481	K	.0579867	z	.0411040	m	.1200000		
n	.1600000	gam	40.932521	b-al	31.147322	the	121.14734	phi	130.93254	2-LEVEL THRUST			
N	2.0000000	w1	.1800000	w2	.1600000	w3	.1200000	SF	.1430607	LFr	.8351975		
PRA	1.1091894	PRB	.9670216	PRC	1.1601635	L	.1747093	min	.1491037	max	.2481944		
Si	2.849555	SAB	2.941859	Sf	3.300481	K	.0256056	z	.0734851	m	.1200000		
n	.1600000	gam	40.932521	b-al	31.147322	the	121.14734	phi	130.93254	2-LEVEL THRUST			
N	2.0000000	w1	.1800000	w2	.1600000	w3	.1300000	SF	.1535092	LFr	.8958235		
PRA	1.1159273	PRB	.9616275	PRC	1.0983227	L	.2071457	min	.1527775	max	.2418681		
Si	3.087016	SAB	3.136302	Sf	3.312492	K	.0543682	z	.0347224	m	.1300000		
n	.1600000	gam	40.932521	b-al	33.485349	the	123.48537	phi	130.93254	2-LEVEL THRUST			
N	2.0000000	w1	.1800000	w2	.1600000	w3	.1300000	SF	.1535092	LFr	.8519840		
PRA	1.1164744	PRB	.9565475	PRC	1.1575613	L	.1774635	min	.1527775	max	.2418681		
Si	2.849559	SAB	2.991605	Sf	3.312492	K	.0246861	z	.0644046	m	.1300000		
n	.1600000	gam	40.932521	b-al	33.485349	the	123.48537	phi	130.93254	2-LEVEL THRUST			
N	2.0000000	w1	.1800000	w2	.1600000	w3	.1400000	SF	.1657353	LFr	.9120665		
PRA	1.1240573	PRB	.9545779	PRC	1.0967050	L	.2074833	min	.1558588	max	.2349495		
Si	3.068748	SAB	3.179515	Sf	3.328603	K	.0516245	z	.0274662	m	.1400000		
n	.1600000	gam	40.932521	b-al	35.888000	the	125.88802	phi	130.93254	2-LEVEL THRUST			
N	2.0000000	w1	.1800000	w2	.1600000	w3	.1400000	SF	.1657353	LFr	.8702030		
PRA	1.1237421	PRB	.9505483	PRC	1.1512063	L	.1800842	min	.1558588	max	.2349495		
Si	2.849555	SAB	3.041828	Sf	3.328603	K	.0242254	z	.0548652	m	.1400000		
n	.1600000	gam	40.932521	b-al	35.888000	the	125.88802	phi	130.93254	2-LEVEL THRUST			
N	2.0000000	w1	.1800000	w2	.1600000	w3	.1400000	SF	.1657353	LFr	.8339214		
PRA	1.1137105	PRB	.9455926	PRC	1.2152377	L	.1563377	min	.1558588	max	.2349495		
Si	2.659583	SAB	2.896655	Sf	3.328603	K	.0004789	z	.0786117	m	.1400000		
n	.1600000	gam	40.932521	b-al	35.888000	the	125.88802	phi	130.93254	2-LEVEL THRUST			
N	2.0000000	w1	.2000000	w2	.0400000	w3	.0200000	SF	.0060997	LFr	.6848936		
PRA	1.0200000	PRB	.9999767	PRC	1.358110	L	.1162853	min	.0245710	max	.2653449		
Si	2.849553	SAB	2.521403	Sf	3.143327	K	.0917144	z	.1490596	m	.0200000		
n	.0400000	gam	15.026039	b-al	10.671771	the	100.67179	phi	105.02606				
N	2.0000000	w1	.2000000	w2	.0500000	w3	.0200000	SF	.0083313	LFr	.6921167		
PRA	1.0200000	PRB	1.0154597	PRC	1.314503	L	.1179371	min	.0274658	max	.2653449		
Si	2.849545	SAB	2.514788	Sf	3.144003	K	.0904713	z	.1474078	m	.0200000		
n	.0500000	gam	17.235267	b-al	10.671771	the	100.67179	phi	107.23529				
N	2.0000000	w1	.2000000	w2	.0500000	w3	.0300000	SF	.0095139	LFr	.6999140		
PRA	1.0300000	PRB	.9944372	PRC	1.306735	L	.1220017	min	.0353791	max	.2632582		
Si	2.849549	SAB	2.567029	Sf	3.144343	K	.0866226	z	.1412565	m	.0300000		
n	.0500000	gam	17.235267	b-al	12.839472	the	102.83949	phi	107.23529				

N	2.0000000	w1	.2000000	w2	.0600000	w3	.0200000	SF	.0112267	LFr	.6995411
PRA	1.0200000	PRB	1.0321279	PRC	1.272571	L	.1198616	min	.0307797	max	.2653449
Si	2.849546	SAB	2.507091	Sf	3.144916	K	.0890820	z	.1454833	m	.0200000
n	.0600000	gam	19.470873	b-al	10.671771	the	100.67179	phi	109.47089		

N	2.0000000	w1	.2000000	w2	.0600000	w3	.0300000	SF	.0124092	LFr	.7072401
PRA	1.0300000	PRB	1.0088709	PRC	1.267685	L	.1239262	min	.0386929	max	.2632582
Si	2.849549	SAB	2.559331	Sf	3.145256	K	.0852333	z	.1393320	m	.0300000
n	.0600000	gam	19.470873	b-al	12.839472	the	102.83949	phi	109.47089		

N	2.0000000	w1	.2000000	w2	.0600000	w3	.0400000	SF	.0140104	LFr	.7760592
PRA	1.0300000	PRB	.9910304	PRC	1.259312	L	.2465687	min	.0462085	max	.2607738
Si	3.799411	SAB	3.087119	Sf	3.145745	K	.2003602	z	.0142051	m	.0400000
n	.0600000	gam	19.470873	b-al	15.026038	the	105.02606	phi	109.47089		

N	2.0000000	w1	.2000000	w2	.0600000	w3	.0400000	SF	.0140104	LFr	.7155895
PRA	1.0400000	PRB	.9893997	PRC	1.259312	L	.1278362	min	.0462085	max	.2607738
Si	2.849551	SAB	2.612189	Sf	3.145745	K	.0816277	z	.1329375	m	.0400000
n	.0600000	gam	19.470873	b-al	15.026038	the	105.02606	phi	109.47089		

N	2.0000000	w1	.2000000	w2	.0600000	w3	.0400000	SF	.0140104	LFr	.6793070
PRA	1.0483124	PRB	.9846872	PRC	1.375006	L	.0565968	min	.0462085	max	.2607738
Si	2.279635	SAB	2.323383	Sf	3.145745	K	.0103882	z	.2041770	m	.0400000
n	.0600000	gam	19.470873	b-al	15.026038	the	105.02606	phi	109.47089	2-LEVEL THRUST	

N	2.0000000	w1	.2000000	w2	.0700000	w3	.0200000	SF	.0148945	LFr	.7072086
PRA	1.0200000	PRB	1.0494762	PRC	1.2329801	L	.1220856	min	.0345410	max	.2653449
Si	2.849555	SAB	2.498204	Sf	3.146106	K	.0875446	z	.1432593	m	.0200000
n	.0700000	gam	21.738146	b-al	10.671771	the	100.67179	phi	111.73817		

N	2.0000000	w1	.2000000	w2	.0700000	w3	.0300000	SF	.0160771	LFr	.7148247
PRA	1.0300000	PRB	1.0247270	PRC	1.2296926	L	.1261482	min	.0424542	max	.2632582
Si	2.849543	SAB	2.550437	Sf	3.146446	K	.0836940	z	.1371099	m	.0300000
n	.0700000	gam	21.738146	b-al	12.839472	the	102.83949	phi	111.73817		

N	2.0000000	w1	.2000000	w2	.0700000	w3	.0400000	SF	.0176783	LFr	.7896195
PRA	1.0300000	PRB	1.0023815	PRC	1.2243588	L	.2487908	min	.0499698	max	.2607738
Si	3.799405	SAB	3.078225	Sf	3.146935	K	.1988209	z	.0119830	m	.0400000
n	.0700000	gam	21.738146	b-al	15.026038	the	105.02606	phi	111.73817		

N	2.0000000	w1	.2000000	w2	.0700000	w3	.0400000	SF	.0176783	LFr	.7231026
PRA	1.0400000	PRB	1.0028159	PRC	1.2243588	L	.1300583	min	.0499698	max	.2607738
Si	2.849546	SAB	2.603295	Sf	3.146935	K	.0800885	z	.1307155	m	.0400000
n	.0700000	gam	21.738146	b-al	15.026038	the	105.02606	phi	111.73817		

N	2.0000000	w1	.2000000	w2	.0700000	w3	.0400000	SF	.0176783	LFr	.6831932
PRA	1.0480153	PRB	.9970952	PRC	1.364023	L	.0588207	min	.0499698	max	.2607738
Si	2.279645	SAB	2.313820	Sf	3.146935	K	.0088509	z	.2019530	m	.0400000
n	.0700000	gam	21.738146	b-al	15.026038	the	105.02606	phi	111.73817	2-LEVEL THRUST	

N	2.0000000	w1	.2000000	w2	.0700000	w3	.0500000	SF	.0199423	LFr	.7866478
PRA	1.0400000	PRB	.9865888	PRC	1.2155815	L	.2228661	min	.0570749	max	.2578789
Si	3.561944	SAB	3.012958	Sf	3.147610	K	.1657911	z	.0350128	m	.0500000
n	.0700000	gam	21.738146	b-al	17.235267	the	107.23529	phi	111.73817		

N	2.0000000	w1	.2000000	w2	.0700000	w3	.0500000	SF	.0199423	LFr	.7322254
PRA	1.0500000	PRB	.9847907	PRC	1.2155815	L	.1338177	min	.0570749	max	.2578789
Si	2.849557	SAB	2.656764	Sf	3.147610	K	.0767427	z	.1240612	m	.0500000
n	.0700000	gam	21.738146	b-al	17.235267	the	107.23529	phi	111.73817		

N	2.0000000	w1	.2000000	w2	.0700000	w3	.0500000	SF	.0199423	LFr	.6959429
PRA	1.0583519	PRB	.9802673	PRC	1.329382	L	.0744515	min	.0570749	max	.2578789
Si	2.374627	SAB	2.415386	Sf	3.147610	K	.0173765	z	.1834274	m	.0500000
n	.0700000	gam	21.738146	b-al	17.235267	the	107.23529	phi	111.73817	2-LEVEL THRUST	

N	2.0000000	wl	.2000000	w2	.0800000	w3	.0200000	SF	.0194483	LFr	.7151594			
PRA	1.0200000	PRB	1.0672997	PRC	1.1958951	L	.1246243	min	.0387645	max	.2653449			
Si	2.849547	SAB	2.488041	Sf	3.147652	K	.0858597	z	.1407206	m	.0200000			
n	.0800000	gam	24.041817	b-al	10.671771	the	100.67179	phi	114.04184					
N	2.0000000	wl	.2000000	w2	.0800000	w3	.0300000	SF	.0206308	LFr	.7227078			
PRA	1.0300000	PRB	1.0414054	PRC	1.1935879	L	.1286888	min	.0466778	max	.2632582			
Si	2.849551	SAB	2.540282	Sf	3.147992	K	.0820110	z	.1345693	m	.0300000			
n	.0800000	gam	24.041817	b-al	12.839472	the	102.83949	phi	114.04184					
N	2.0000000	wl	.2000000	w2	.0800000	w3	.0400000	SF	.0222321	LFr	.8034964			
PRA	1.0300000	PRB	1.0151022	PRC	1.1899684	L	.2513313	min	.0541934	max	.2607738			
Si	3.799412	SAB	3.068069	Sf	3.148481	K	.1971379	z	.0094424	m	.0400000			
n	.0800000	gam	24.041817	b-al	15.026038	the	105.02606	phi	114.04184					
N	2.0000000	wl	.2000000	w2	.0800000	w3	.0400000	SF	.0222321	LFr	.7309332			
PRA	1.0400000	PRB	1.0178695	PRC	1.1928424	L	.1325989	min	.0541934	max	.2607738			
Si	2.849553	SAB	2.593140	Sf	3.148481	K	.0784055	z	.1281749	m	.0400000			
n	.0800000	gam	24.041817	b-al	15.026038	the	105.02606	phi	114.04184	2-LEVEL THRUST				
N	2.0000000	wl	.2000000	w2	.0800000	w3	.0400000	SF	.0222321	LFr	.6873942			
PRA	1.0476479	PRB	1.0106957	PRC	1.352760	L	.0613594	min	.0541934	max	.2607738			
Si	2.279637	SAB	2.302819	Sf	3.148481	K	.0071660	z	.1994144	m	.0400000			
n	.0800000	gam	24.041817	b-al	15.026038	the	105.02606	phi	114.04184	2-LEVEL THRUST				
N	2.0000000	wl	.2000000	w2	.0800000	w3	.0500000	SF	.0244970	LFr	.7989702			
PRA	1.0400000	PRB	.9975526	PRC	1.1843289	L	.2254047	min	.0612985	max	.2578789			
Si	3.561936	SAB	3.002795	Sf	3.149156	K	.1641062	z	.0324742	m	.0500000			
n	.0800000	gam	24.041817	b-al	17.235267	the	107.23529	phi	114.04184					
N	2.0000000	wl	.2000000	w2	.0800000	w3	.0500000	SF	.0244970	LFr	.7400122			
PRA	1.0500000	PRB	.9972220	PRC	1.1932014	L	.1363564	min	.0612985	max	.2578789			
Si	2.849549	SAB	2.646602	Sf	3.149156	K	.0750578	z	.1215225	m	.0500000			
n	.0800000	gam	24.041817	b-al	17.235267	the	107.23529	phi	114.04184	2-LEVEL THRUST				
N	2.0000000	wl	.2000000	w2	.0800000	w3	.0500000	SF	.0244970	LFr	.7007075			
PRA	1.0580655	PRB	.9915747	PRC	1.320798	L	.0769901	min	.0612985	max	.2578789			
Si	2.374619	SAB	2.404542	Sf	3.149156	K	.0156916	z	.1808888	m	.0500000			
n	.0800000	gam	24.041817	b-al	17.235267	the	107.23529	phi	114.04184	2-LEVEL THRUST				
N	2.0000000	wl	.2000000	w2	.0800000	w3	.0600000	SF	.0273752	LFr	.8006306			
PRA	1.0500000	PRB	.9824065	PRC	1.1753121	L	.2112064	min	.0679847	max	.2545650			
Si	3.419465	SAB	2.985613	Sf	3.150070	K	.1432218	z	.0433586	m	.0600000			
n	.0800000	gam	24.041817	b-al	19.470873	the	109.47089	phi	114.04184					
N	2.0000000	wl	.2000000	w2	.0800000	w3	.0600000	SF	.0273752	LFr	.7498360			
PRA	1.0600000	PRB	.9805409	PRC	1.1895572	L	.1399670	min	.0679847	max	.2545650			
Si	2.849549	SAB	2.700655	Sf	3.150070	K	.0719823	z	.1145980	m	.0600000			
n	.0800000	gam	24.041817	b-al	19.470873	the	109.47089	phi	114.04184	2-LEVEL THRUST				
N	2.0000000	wl	.2000000	w2	.0800000	w3	.0600000	SF	.0273752	LFr	.7135553			
PRA	1.0678298	PRB	.9758234	PRC	1.295486	L	.0890827	min	.0679847	max	.2545650			
Si	2.442475	SAB	2.491817	Sf	3.150070	K	.0210981	z	.1654823	m	.0600000			
n	.0800000	gam	24.041817	b-al	19.470873	the	109.47089	phi	114.04184	2-LEVEL THRUST				
N	2.0000000	wl	.2000000	w2	.0900000	w3	.0200000	SF	.0250168	LFr	.7234373			
PRA	1.0200000	PRB	1.0855126	PRC	1.1716132	L	.1275063	min	.0434743	max	.2653449			
Si	2.849548	SAB	2.476514	Sf	3.149632	K	.0840320	z	.1378386	m	.0200000			
n	.0900000	gam	26.387580	b-al	10.671771	the	100.67179	phi	116.38760	2-LEVEL THRUST				
N	2.0000000	wl	.2000000	w2	.0900000	w3	.0300000	SF	.0261993	LFr	.7309370			
PRA	1.0300000	PRB	1.0586379	PRC	1.1766646	L	.1315708	min	.0513876	max	.2632582			
Si	2.849551	SAB	2.528754	Sf	3.149973	K	.0801833	z	.1316873	m	.0300000			
n	.0900000	gam	26.387580	b-al	12.839472	the	102.83949	phi	116.38760	2-LEVEL THRUST				

N	2.0000000	w1	.2000000	w2	.0900000	w3	.0400000	SF	.0278006	LFr	.8177357		
PRA	1.0300000	PRB	1.0286120	PRC	1.1570858	L	.2542133	min	.0589032	max	.2607738		
Si	3.799413	SAB	3.056542	Sf	3.150461	K	.1953102	z	.0065604	m	.0400000		
n	.0900000	gam	26.387580	b-al	15.026038	the	105.02606	phi	116.38760				
N	2.0000000	w1	.2000000	w2	.0900000	w3	.0400000	SF	.0278006	LFr	.7391253		
PRA	1.0400000	PRB	1.0338335	PRC	1.1804092	L	.1354809	min	.0589032	max	.2607738		
Si	2.849553	SAB	2.581612	Sf	3.150461	K	.0765777	z	.1252929	m	.0400000		
n	.0900000	gam	26.387580	b-al	15.026038	the	105.02606	phi	116.38760	2-LEVEL THRUST			
N	2.0000000	w1	.2000000	w2	.0900000	w3	.0400000	SF	.0278006	LFr	.6919584		
PRA	1.0471941	PRB	1.0247096	PRC	1.342422	L	.0642414	min	.0589032	max	.2607738		
Si	2.279637	SAB	2.290257	Sf	3.150461	K	.0053382	z	.1965324	m	.0400000		
n	.0900000	gam	26.387580	b-al	15.026038	the	105.02606	phi	116.38760	2-LEVEL THRUST			
N	2.0000000	w1	.2000000	w2	.0900000	w3	.0500000	SF	.0300655	LFr	.8116741		
PRA	1.0400000	PRB	1.0101206	PRC	1.1532371	L	.2282868	min	.0660083	max	.2578789		
Si	3.561937	SAB	2.991268	Sf	3.151136	K	.1622785	z	.0295921	m	.0500000		
n	.0900000	gam	26.387580	b-al	17.235267	the	107.23529	phi	116.38760				
N	2.0000000	w1	.2000000	w2	.0900000	w3	.0500000	SF	.0300655	LFr	.7481814		
PRA	1.0500000	PRB	1.0114063	PRC	1.1823573	L	.1392384	min	.0660083	max	.2578789		
Si	2.849550	SAB	2.635074	Sf	3.151136	K	.0732301	z	.1186405	m	.0500000		
n	.0900000	gam	26.387580	b-al	17.235267	the	107.23529	phi	116.38760	2-LEVEL THRUST			
N	2.0000000	w1	.2000000	w2	.0900000	w3	.0500000	SF	.0300655	LFr	.7058525		
PRA	1.0577151	PRB	1.0043205	PRC	1.311598	L	.0798721	min	.0660083	max	.2578789		
Si	2.374620	SAB	2.392183	Sf	3.151136	K	.0138638	z	.1780068	m	.0500000		
n	.0900000	gam	26.387580	b-al	17.235267	the	107.23529	phi	116.38760	2-LEVEL THRUST			
N	2.0000000	w1	.2000000	w2	.0900000	w3	.0600000	SF	.0329437	LFr	.8124180		
PRA	1.0500000	PRB	.9927961	PRC	1.1474167	L	.2140885	min	.0726944	max	.2545650		
Si	3.419465	SAB	2.974085	Sf	3.152050	K	.1413940	z	.0404766	m	.0600000		
n	.0900000	gam	26.387580	b-al	19.470873	the	109.47089	phi	116.38760				
N	2.0000000	w1	.2000000	w2	.0900000	w3	.0600000	SF	.0329437	LFr	.7579947		
PRA	1.0600000	PRB	.9918978	PRC	1.1817207	L	.1428490	min	.0726944	max	.2545650		
Si	2.849550	SAB	2.689127	Sf	3.152050	K	.0701546	z	.1117161	m	.0600000		
n	.0900000	gam	26.387580	b-al	19.470873	the	109.47089	phi	116.38760	2-LEVEL THRUST			
N	2.0000000	w1	.2000000	w2	.0900000	w3	.0600000	SF	.0329437	LFr	.7191219		
PRA	1.0674853	PRB	.9859164	PRC	1.289431	L	.0919647	min	.0726944	max	.2545650		
Si	2.442476	SAB	2.479448	Sf	3.152050	K	.0192703	z	.1626003	m	.0600000		
n	.0900000	gam	26.387580	b-al	19.470873	the	109.47089	phi	116.38760	2-LEVEL THRUST			
N	2.0000000	w1	.2000000	w2	.0900000	w3	.0700000	SF	.0366106	LFr	.8170586		
PRA	1.0600000	PRB	.9784869	PRC	1.1382994	L	.2056770	min	.0789331	max	.2508037		
Si	3.324482	SAB	2.981243	Sf	3.153240	K	.1267439	z	.0451267	m	.0700000		
n	.0900000	gam	26.387580	b-al	21.738145	the	111.73817	phi	116.38760				
N	2.0000000	w1	.2000000	w2	.0900000	w3	.0700000	SF	.0366106	LFr	.7686825		
PRA	1.0700010	PRB	.9764270	PRC	1.1769765	L	.1463108	min	.0789331	max	.2508037		
Si	2.849553	SAB	2.743781	Sf	3.153240	K	.0673777	z	.1044929	m	.0700000		
n	.0900000	gam	26.387580	b-al	21.738145	the	111.73817	phi	116.38760	2-LEVEL THRUST			
N	2.0000000	w1	.2000000	w2	.0900000	w3	.0700000	SF	.0366106	LFr	.7324009		
PRA	1.0768757	PRB	.9715382	PRC	1.268866	L	.1017857	min	.0789331	max	.2508037		
Si	2.493351	SAB	2.557887	Sf	3.153240	K	.0228525	z	.1490181	m	.0700000		
n	.0900000	gam	26.387580	b-al	21.738145	the	111.73817	phi	116.38760	2-LEVEL THRUST			
N	2.0000000	w1	.2000000	w2	.1000000	w3	.0200000	SF	.0317316	LFr	.7320976		
PRA	1.0200000	PRB	1.1040056	PRC	1.1590026	L	.1307621	min	.0486996	max	.2653449		
Si	2.849559	SAB	2.463502	Sf	3.152162	K	.0820625	z	.1345828	m	.0200000		
n	.1000000	gam	28.782028	b-al	10.671771	the	100.67179	phi	118.78205	2-LEVEL THRUST			

N	2.0000000	wl	.2000000	w2	.1000000	w3	.0300000	SF	.0329142	LFr	.7395668		
PRA	1.0300000	PRB	1.0762033	PRC	1.1643840	L	.1348248	min	.0566129	max	.2632582		
Si	2.849547	SAB	2.515735	Sf	3.152502	K	.0782119	z	.1284334	m	.0300000		
n	.1000000	gam	28.782028	b-al	12.839472	the	102.83949	phi	118.78205	2-LEVEL THRUST			
N	2.0000000	wl	.2000000	w2	.1000000	w3	.0400000	SF	.0345163	LFr	.8323946		
PRA	1.0300000	PRB	1.0426613	PRC	1.1260651	L	.2574673	min	.0641285	max	.2607738		
Si	3.799409	SAB	3.043522	Sf	3.152991	K	.1933388	z	.0033065	m	.0400000		
n	.1000000	gam	28.782028	b-al	15.026038	the	105.02606	phi	118.78205				
N	2.0000000	wl	.2000000	w2	.1000000	w3	.0400000	SF	.0345163	LFr	.7477360		
PRA	1.0400000	PRB	1.0502948	PRC	1.1687357	L	.1387348	min	.0641285	max	.2607738		
Si	2.849549	SAB	2.568592	Sf	3.152991	K	.0746063	z	.1220390	m	.0400000		
n	.1000000	gam	28.782028	b-al	15.026038	the	105.02606	phi	118.78205	2-LEVEL THRUST			
N	2.0000000	wl	.2000000	w2	.1000000	w3	.0400000	SF	.0345163	LFr	.6969414		
PRA	1.0466337	PRB	1.0387852	PRC	1.333621	L	.0674954	min	.0641285	max	.2607738		
Si	2.279633	SAB	2.275960	Sf	3.152991	K	.0033669	z	.1932784	m	.0400000		
n	.1000000	gam	28.782028	b-al	15.026038	the	105.02606	phi	118.78205	2-LEVEL THRUST			
N	2.0000000	wl	.2000000	w2	.1000000	w3	.0500000	SF	.0367804	LFr	.8248167		
PRA	1.0400000	PRB	1.0236249	PRC	1.1233482	L	.2315426	min	.0712336	max	.2578789		
Si	3.561948	SAB	2.978255	Sf	3.153666	K	.1603090	z	.0263363	m	.0500000		
n	.1000000	gam	28.782028	b-al	17.235267	the	107.23529	phi	118.78205				
N	2.0000000	wl	.2000000	w2	.1000000	w3	.0500000	SF	.0367804	LFr	.7567873		
PRA	1.0500000	PRB	1.0264704	PRC	1.1717301	L	.1424923	min	.0712336	max	.2578789		
Si	2.849545	SAB	2.622054	Sf	3.153666	K	.0712587	z	.1153866	m	.0500000		
n	.1000000	gam	28.782028	b-al	17.235267	the	107.23529	phi	118.78205	2-LEVEL THRUST			
N	2.0000000	wl	.2000000	w2	.1000000	w3	.0500000	SF	.0367804	LFr	.7114372		
PRA	1.0572871	PRB	1.0176598	PRC	1.303086	L	.0831280	min	.0712336	max	.2578789		
Si	2.374631	SAB	2.378155	Sf	3.153666	K	.0118944	z	.1747509	m	.0500000		
n	.1000000	gam	28.782028	b-al	17.235267	the	107.23529	phi	118.78205	2-LEVEL THRUST			
N	2.0000000	wl	.2000000	w2	.1000000	w3	.0600000	SF	.0396595	LFr	.8246613		
PRA	1.0500000	PRB	1.0050003	PRC	1.1193672	L	.2173424	min	.0779198	max	.2545650		
Si	3.419461	SAB	2.961065	Sf	3.154580	K	.1394226	z	.0372226	m	.0600000		
n	.1000000	gam	28.782028	b-al	19.470873	the	109.47089	phi	118.78205				
N	2.0000000	wl	.2000000	w2	.1000000	w3	.0600000	SF	.0396595	LFr	.7666102		
PRA	1.0600000	PRB	1.0050460	PRC	1.1728756	L	.1461029	min	.0779198	max	.2545650		
Si	2.849546	SAB	2.676108	Sf	3.154580	K	.0681832	z	.1084621	m	.0600000		
n	.1000000	gam	28.782028	b-al	19.470873	the	109.47089	phi	118.78205	2-LEVEL THRUST			
N	2.0000000	wl	.2000000	w2	.1000000	w3	.0600000	SF	.0396595	LFr	.7251463		
PRA	1.0670702	PRB	.9976573	PRC	1.282538	L	.0952187	min	.0779198	max	.2545650		
Si	2.442472	SAB	2.465414	Sf	3.154580	K	.0172989	z	.1593464	m	.0600000		
n	.1000000	gam	28.782028	b-al	19.470873	the	109.47089	phi	118.78205	2-LEVEL THRUST			
N	2.0000000	wl	.2000000	w2	.1000000	w3	.0700000	SF	.0433264	LFr	.8287220		
PRA	1.0600000	PRB	.9882244	PRC	1.1134677	L	.2089310	min	.0841585	max	.2508037		
Si	3.324478	SAB	2.968224	Sf	3.155769	K	.1247725	z	.0418727	m	.0700000		
n	.1000000	gam	28.782028	b-al	21.738145	the	111.73817	phi	118.78205				
N	2.0000000	wl	.2000000	w2	.1000000	w3	.0700000	SF	.0433264	LFr	.7773228		
PRA	1.0699992	PRB	.9865849	PRC	1.1713533	L	.1495648	min	.0841585	max	.2508037		
Si	2.849548	SAB	2.730756	Sf	3.155769	K	.0654063	z	.1012390	m	.0700000		
n	.1000000	gam	28.782028	b-al	21.738145	the	111.73817	phi	118.78205	2-LEVEL THRUST			
N	2.0000000	wl	.2000000	w2	.1000000	w3	.0700000	SF	.0433264	LFr	.7387743		
PRA	1.0764302	PRB	.9804197	PRC	1.265366	L	.1050415	min	.0841585	max	.2508037		
Si	2.493363	SAB	2.543765	Sf	3.155769	K	.0208831	z	.1457622	m	.0700000		
n	.1000000	gam	28.782028	b-al	21.738145	the	111.73817	phi	118.78205	2-LEVEL THRUST			

N	2.0000000	wl	.2000000	w2	.1000000	w3	.0800000	SF	.0478897	LFr	.8356123
PRA	1.0700000	PRB	.9748188	PRC	1.1043711	L	.2037659	min	.0899349	max	.2465802
Si	3.256629	SAB	2.989530	Sf	3.157315	K	.1138310	z	.0428143	m	.0800000
n	.1000000	gam	28.782028	b-al	24.041817	the	114.04184	phi	118.78205		
N	2.0000000	wl	.2000000	w2	.1000000	w3	.0800000	SF	.0478897	LFr	.7889652
PRA	1.0799044	PRB	.9723275	PRC	1.1656492	L	.1528816	min	.0899349	max	.2465802
Si	2.849555	SAB	2.785720	Sf	3.157315	K	.0629467	z	.0936986	m	.0800000
n	.1000000	gam	28.782028	b-al	24.041817	the	114.04184	phi	118.78205	2-LEVEL THRUST	
N	2.0000000	wl	.2000000	w2	.1000000	w3	.0800000	SF	.0478897	LFr	.7526837
PRA	1.0854891	PRB	.9674595	PRC	1.2473973	L	.1133042	min	.0899349	max	.2465802
Si	2.532935	SAB	2.616256	Sf	3.157315	K	.0233692	z	.1332760	m	.0800000
n	.1000000	gam	28.782028	b-al	24.041817	the	114.04184	phi	118.78205	2-LEVEL THRUST	
N	2.0000000	wl	.2000000	w2	.1100000	w3	.0200000	SF	.0397492	LFr	.7412033
PRA	1.0200000	PRB	1.1226670	PRC	1.1477296	L	.1344242	min	.0544757	max	.2653449
Si	2.849555	SAB	2.448850	Sf	3.155387	K	.0799485	z	.1309207	m	.0200000
n	.1100000	gam	31.232814	b-al	10.671771	the	100.67179	phi	121.23283	2-LEVEL THRUST	
N	2.0000000	wl	.2000000	w2	.1100000	w3	.0300000	SF	.0409317	LFr	.7486630
PRA	1.0300000	PRB	1.0939566	PRC	1.1533735	L	.1384888	min	.0623890	max	.2632582
Si	2.849559	SAB	2.501090	Sf	3.155727	K	.0760998	z	.1247694	m	.0300000
n	.1100000	gam	31.232814	b-al	12.839472	the	102.83949	phi	121.23283	2-LEVEL THRUST	
N	2.0000000	wl	.2000000	w2	.1100000	w3	.0400000	SF	.0425329	LFr	.7568350
PRA	1.0400000	PRB	1.0670293	PRC	1.1581860	L	.1423988	min	.0699046	max	.2607738
Si	2.849561	SAB	2.553948	Sf	3.156216	K	.0724943	z	.1183749	m	.0400000
n	.1100000	gam	31.232814	b-al	15.026038	the	105.02606	phi	121.23283	2-LEVEL THRUST	
N	2.0000000	wl	.2000000	w2	.1100000	w3	.0400000	SF	.0425329	LFr	.7024126
PRA	1.0459411	PRB	1.0527341	PRC	1.326753	L	.0711594	min	.0699046	max	.2607738
Si	2.279645	SAB	2.259737	Sf	3.156216	K	.0012548	z	.1896144	m	.0400000
n	.1100000	gam	31.232814	b-al	15.026038	the	105.02606	phi	121.23283	2-LEVEL THRUST	
N	2.0000000	wl	.2000000	w2	.1100000	w3	.0500000	SF	.0447979	LFr	.8384657
PRA	1.0400000	PRB	1.0377735	PRC	1.0950897	L	.2352047	min	.0770097	max	.2578789
Si	3.561944	SAB	2.963603	Sf	3.156891	K	.1581950	z	.0226742	m	.0500000
n	.1100000	gam	31.232814	b-al	17.235267	the	107.23529	phi	121.23283		
N	2.0000000	wl	.2000000	w2	.1100000	w3	.0500000	SF	.0447979	LFr	.7659016
PRA	1.0500000	PRB	1.0420097	PRC	1.1619295	L	.1461544	min	.0770097	max	.2578789
Si	2.849542	SAB	2.607402	Sf	3.156891	K	.0691447	z	.1117245	m	.0500000
n	.1100000	gam	31.232814	b-al	17.235267	the	107.23529	phi	121.23283	2-LEVEL THRUST	
N	2.0000000	wl	.2000000	w2	.1100000	w3	.0500000	SF	.0447979	LFr	.7175264
PRA	1.0567641	PRB	1.0312070	PRC	1.295943	L	.0867901	min	.0770097	max	.2578789
Si	2.374627	SAB	2.362261	Sf	3.156891	K	.0097804	z	.1710888	m	.0500000
n	.1100000	gam	31.232814	b-al	17.235267	the	107.23529	phi	121.23283	2-LEVEL THRUST	
N	2.0000000	wl	.2000000	w2	.1100000	w3	.0600000	SF	.0476761	LFr	.8374348
PRA	1.0500000	PRB	1.0182730	PRC	1.0922810	L	.2210045	min	.0836958	max	.2545650
Si	3.419458	SAB	2.946413	Sf	3.157804	K	.1373087	z	.0335605	m	.0600000
n	.1100000	gam	31.232814	b-al	19.470873	the	109.47089	phi	121.23283		
N	2.0000000	wl	.2000000	w2	.1100000	w3	.0600000	SF	.0476761	LFr	.7757569
PRA	1.0600000	PRB	1.0190964	PRC	1.1642587	L	.1497669	min	.0836958	max	.2545650
Si	2.849557	SAB	2.661463	Sf	3.157804	K	.0660711	z	.1047981	m	.0600000
n	.1100000	gam	31.232814	b-al	19.470873	the	109.47089	phi	121.23283	2-LEVEL THRUST	
N	2.0000000	wl	.2000000	w2	.1100000	w3	.0600000	SF	.0476761	LFr	.7316990
PRA	1.0665704	PRB	1.0101373	PRC	1.276204	L	.0988808	min	.0836958	max	.2545650
Si	2.442468	SAB	2.449541	Sf	3.157804	K	.0151850	z	.1556842	m	.0600000
n	.1100000	gam	31.232814	b-al	19.470873	the	109.47089	phi	121.23283	2-LEVEL THRUST	

N	2.0000000	w1	.2000000	w2	.1100000	w3	.0700000	SF	.0513430	LFr	.8409348		
PRA	1.0600000	PRB	.9999584	PRC	1.0882521	L	.2125931	min	.0899345	max	.2508037		
Si	3.324475	SAB	2.953572	Sf	3.158994	K	.1226586	z	.0382106	m	.0700000		
n	.1100000	gam	31.232814	b-al	21.738145	the	111.73817	phi	121.23283				
N	2.0000000	w1	.2000000	w2	.1100000	w3	.0700000	SF	.0513430	LFr	.7865133		
PRA	1.0699942	PRB	.9986178	PRC	1.1646732	L	.1532288	min	.0899345	max	.2508037		
Si	2.849560	SAB	2.716098	Sf	3.158994	K	.0632943	z	.0975750	m	.0700000		
n	.1100000	gam	31.232814	b-al	21.738145	the	111.73817	phi	121.23283	2-LEVEL THRUST			
N	2.0000000	w1	.2000000	w2	.1100000	w3	.0700000	SF	.0513430	LFr	.7456951		
PRA	1.0759010	PRB	.9911236	PRC	1.260897	L	.1087036	min	.0899345	max	.2508037		
Si	2.493359	SAB	2.527793	Sf	3.158994	K	.0187691	z	.1421001	m	.0700000		
n	.1100000	gam	31.232814	b-al	21.738145	the	111.73817	phi	121.23283	2-LEVEL THRUST			
N	2.0000000	w1	.2000000	w2	.1100000	w3	.0800000	SF	.0559073	LFr	.8474541		
PRA	1.0700000	PRB	.9838652	PRC	1.0823728	L	.2074280	min	.0957110	max	.2465802		
Si	3.256625	SAB	2.974878	Sf	3.160540	K	.1117170	z	.0391522	m	.0800000		
n	.1100000	gam	31.232814	b-al	24.041817	the	114.04184	phi	121.23283				
N	2.0000000	w1	.2000000	w2	.1100000	w3	.0800000	SF	.0559073	LFr	.7982149		
PRA	1.0798634	PRB	.9812735	PRC	1.1623648	L	.1565437	min	.0957110	max	.2465802		
Si	2.849551	SAB	2.770951	Sf	3.160540	K	.0608328	z	.0900364	m	.0800000		
n	.1100000	gam	31.232814	b-al	24.041817	the	114.04184	phi	121.23283	2-LEVEL THRUST			
N	2.0000000	w1	.2000000	w2	.1100000	w3	.0800000	SF	.0559073	LFr	.7599173		
PRA	1.0849066	PRB	.9751572	PRC	1.2464988	L	.1169663	min	.0957110	max	.2465802		
Si	2.532931	SAB	2.600129	Sf	3.160540	K	.0212553	z	.1296139	m	.0800000		
n	.1100000	gam	31.232814	b-al	24.041817	the	114.04184	phi	121.23283	2-LEVEL THRUST			
N	2.0000000	w1	.2000000	w2	.1100000	w3	.0900000	SF	.0614472	LFr	.8562327		
PRA	1.0800000	PRB	.9713750	PRC	1.0833441	L	.2042408	min	.1010014	max	.2418706		
Si	3.205749	SAB	3.005246	Sf	3.162521	K	.1032394	z	.0376298	m	.0900000		
n	.1100000	gam	31.232814	b-al	26.387580	the	116.38760	phi	121.23283	2-LEVEL THRUST			
N	2.0000000	w1	.2000000	w2	.1100000	w3	.0900000	SF	.0614472	LFr	.8108797		
PRA	1.0894882	PRB	.9683458	PRC	1.1557900	L	.1597157	min	.1010014	max	.2418706		
Si	2.849548	SAB	2.825686	Sf	3.162521	K	.0587142	z	.0821550	m	.0900000		
n	.1100000	gam	31.232814	b-al	26.387580	the	116.38760	phi	121.23283	2-LEVEL THRUST			
N	2.0000000	w1	.2000000	w2	.1100000	w3	.0900000	SF	.0614472	LFr	.7745981		
PRA	1.0936609	PRB	.9635861	PRC	1.2299588	L	.1240959	min	.1010014	max	.2418706		
Si	2.564590	SAB	2.668408	Sf	3.162521	K	.0230945	z	.1177747	m	.0900000		
n	.1100000	gam	31.232814	b-al	26.387580	the	116.38760	phi	121.23283	2-LEVEL THRUST			
N	2.0000000	w1	.2000000	w2	.1200000	w3	.0200000	SF	.0492554	LFr	.7508335		
PRA	1.0200000	PRB	1.1414480	PRC	1.1379667	L	.1385365	min	.0608446	max	.2653449		
Si	2.849550	SAB	2.432395	Sf	3.159511	K	.0776918	z	.1268084	m	.0200000		
n	.1200000	gam	33.748912	b-al	10.671771	the	100.67179	phi	123.74893	2-LEVEL THRUST			
N	2.0000000	w1	.2000000	w2	.1200000	w3	.0300000	SF	.0504379	LFr	.7583065		
PRA	1.0300000	PRB	1.1118286	PRC	1.1438419	L	.1426010	min	.0687579	max	.2632582		
Si	2.849553	SAB	2.484636	Sf	3.159851	K	.0738431	z	.1206571	m	.0300000		
n	.1200000	gam	33.748912	b-al	12.839472	the	102.83949	phi	123.74893	2-LEVEL THRUST			
N	2.0000000	w1	.2000000	w2	.1200000	w3	.0400000	SF	.0520392	LFr	.7665053		
PRA	1.0400000	PRB	1.0839250	PRC	1.1490252	L	.1465111	min	.0762735	max	.2607738		
Si	2.849556	SAB	2.537494	Sf	3.160340	K	.0702376	z	.1142627	m	.0400000		
n	.1200000	gam	33.748912	b-al	15.026038	the	105.02606	phi	123.74893	2-LEVEL THRUST			
N	2.0000000	w1	.2000000	w2	.1200000	w3	.0500000	SF	.0543041	LFr	.8527107		
PRA	1.0400000	PRB	1.0524290	PRC	1.0686642	L	.2393169	min	.0833786	max	.2578789		
Si	3.561939	SAB	2.947149	Sf	3.161015	K	.1559383	z	.0185619	m	.0500000		
n	.1200000	gam	33.748912	b-al	17.235267	the	107.23529	phi	123.74893				

N	2.0000000	wl	.2000000	w2	.1200000	w3	.0500000	SF	.0543041	LFr	.7756119		
PRA	1.0500000	PRB	1.0578205	PRC	1.1533326	L	.1502686	min	.0833786	max	.2578789		
Si	2.849552	SAB	2.590956	Sf	3.161015	K	.0668899	z	.1076103	m	.0500000		
n	.1200000	gam	33.748912	b-al	17.235267	the	107.23529	phi	123.74893	2-LEVEL THRUST			
N	2.0000000	wl	.2000000	w2	.1200000	w3	.0500000	SF	.0543041	LFr	.7242127		
PRA	1.0561247	PRB	1.0447623	PRC	1.290619	L	.0909023	min	.0833786	max	.2578789		
Si	2.374622	SAB	2.344288	Sf	3.161015	K	.0075237	z	.1669766	m	.0500000		
n	.1200000	gam	33.748912	b-al	17.235267	the	107.23529	phi	123.74893	2-LEVEL THRUST			
N	2.0000000	wl	.2000000	w2	.1200000	w3	.0600000	SF	.0571823	LFr	.8508253		
PRA	1.0500000	PRB	1.0322868	PRC	1.0666514	L	.2251186	min	.0900648	max	.2545650		
Si	3.419468	SAB	2.929967	Sf	3.161929	K	.1350539	z	.0294464	m	.0600000		
n	.1200000	gam	33.748912	b-al	19.470873	the	109.47089	phi	123.74893				
N	2.0000000	wl	.2000000	w2	.1200000	w3	.0600000	SF	.0571823	LFr	.7855177		
PRA	1.0600000	PRB	1.0336427	PRC	1.1565235	L	.1538792	min	.0900648	max	.2545650		
Si	2.849552	SAB	2.645009	Sf	3.161929	K	.0638144	z	.1006858	m	.0600000		
n	.1200000	gam	33.748912	b-al	19.470873	the	109.47089	phi	123.74893	2-LEVEL THRUST			
N	2.0000000	wl	.2000000	w2	.1200000	w3	.0600000	SF	.0571823	LFr	.7388706		
PRA	1.0659681	PRB	1.0229422	PRC	1.271172	L	.1029949	min	.0900648	max	.2545650		
Si	2.442478	SAB	2.431624	Sf	3.161929	K	.0129302	z	.1515701	m	.0600000		
n	.1200000	gam	33.748912	b-al	19.470873	the	109.47089	phi	123.74893	2-LEVEL THRUST			
N	2.0000000	wl	.2000000	w2	.1200000	w3	.0700000	SF	.0608492	LFr	.8537893		
PRA	1.0600000	PRB	1.0128826	PRC	1.0638238	L	.2167072	min	.0963035	max	.2508037		
Si	3.324485	SAB	2.937125	Sf	3.163118	K	.1204038	z	.0340965	m	.0700000		
n	.1200000	gam	33.748912	b-al	21.738145	the	111.73817	phi	123.74893				
N	2.0000000	wl	.2000000	w2	.1200000	w3	.0700000	SF	.0608492	LFr	.7963429		
PRA	1.0699844	PRB	1.0116117	PRC	1.1582429	L	.1573410	min	.0963035	max	.2508037		
Si	2.849555	SAB	2.699615	Sf	3.163118	K	.0610376	z	.0934627	m	.0700000		
n	.1200000	gam	33.748912	b-al	21.738145	the	111.73817	phi	123.74893	2-LEVEL THRUST			
N	2.0000000	wl	.2000000	w2	.1200000	w3	.0700000	SF	.0608492	LFr	.7532578		
PRA	1.0752718	PRB	1.0026928	PRC	1.256937	L	.1128159	min	.0963035	max	.2508037		
Si	2.493354	SAB	2.509770	Sf	3.163118	K	.0165124	z	.1379879	m	.0700000		
n	.1200000	gam	33.748912	b-al	21.738145	the	111.73817	phi	123.74893	2-LEVEL THRUST			
N	2.0000000	wl	.2000000	w2	.1200000	w3	.0800000	SF	.0654135	LFr	.8599615		
PRA	1.0700000	PRB	.9950654	PRC	1.0750150	L	.2115421	min	.1020799	max	.2465802		
Si	3.256635	SAB	2.958431	Sf	3.164664	K	.1094622	z	.0350380	m	.0800000		
n	.1200000	gam	33.748912	b-al	24.041817	the	114.04184	phi	123.74893	2-LEVEL THRUST			
N	2.0000000	wl	.2000000	w2	.1200000	w3	.0800000	SF	.0654135	LFr	.8081293		
PRA	1.0798081	PRB	.9922090	PRC	1.1579961	L	.1606560	min	.1020799	max	.2465802		
Si	2.849546	SAB	2.754339	Sf	3.164664	K	.0585761	z	.0859242	m	.0800000		
n	.1200000	gam	33.748912	b-al	24.041817	the	114.04184	phi	123.74893	2-LEVEL THRUST			
N	2.0000000	wl	.2000000	w2	.1200000	w3	.0800000	SF	.0654135	LFr	.7678156		
PRA	1.0842221	PRB	.9848358	PRC	1.2445650	L	.1210785	min	.1020799	max	.2465802		
Si	2.532926	SAB	2.581940	Sf	3.164664	K	.0189986	z	.1255017	m	.0800000		
n	.1200000	gam	33.748912	b-al	24.041817	the	114.04184	phi	123.74893	2-LEVEL THRUST			
N	2.0000000	wl	.2000000	w2	.1200000	w3	.0900000	SF	.0709534	LFr	.8685141		
PRA	1.0800000	PRB	.9796540	PRC	1.0815109	L	.2083531	min	.1073704	max	.2418706		
Si	3.205744	SAB	2.988792	Sf	3.166645	K	.1009827	z	.0335176	m	.0900000		
n	.1200000	gam	33.748912	b-al	26.387580	the	116.38760	phi	123.74893	2-LEVEL THRUST			
N	2.0000000	wl	.2000000	w2	.1200000	w3	.0900000	SF	.0709534	LFr	.8208962		
PRA	1.0893657	PRB	.9761164	PRC	1.1549489	L	.1638298	min	.1073704	max	.2418706		
Si	2.849558	SAB	2.808892	Sf	3.166645	K	.0564594	z	.0780408	m	.0900000		
n	.1200000	gam	33.748912	b-al	26.387580	the	116.38760	phi	123.74893	2-LEVEL THRUST			

N	2.0000000	w1	.2000000	w2	.1200000	w3	.0900000	SF	.0709534	LFr	.7827997
PRA	1.0929079	PRB	.9701442	PRC	1.2317201	L	.1282101	min	.1073704	max	.2418706
Si	2.564600	SAB	2.650032	Sf	3.166645	K	.0208397	z	.1136606	m	.0900000
n	.1200000	gam	33.748912	b-al	26.387580	the	116.38760	phi	123.74893	2-LEVEL THRUST	
N	2.0000000	w1	.2000000	w2	.1200000	w3	.1000000	SF	.0776558	LFr	.8790980
PRA	1.0899992	PRB	.9679710	PRC	1.0821919	L	.2064343	min	.1121448	max	.2366450
Si	3.166161	SAB	3.025376	Sf	3.169174	K	.0942895	z	.0302108	m	.1000000
n	.1200000	gam	33.748912	b-al	28.782049	the	118.78207	phi	123.74893	2-LEVEL THRUST	
N	2.0000000	w1	.2000000	w2	.1200000	w3	.1000000	SF	.0776558	LFr	.8347550
PRA	1.0986399	PRB	.9645306	PRC	1.1475669	L	.1668587	min	.1121448	max	.2366450
Si	2.849557	SAB	2.863202	Sf	3.169174	K	.0547139	z	.0697864	m	.1000000
n	.1200000	gam	33.748912	b-al	28.782049	the	118.78207	phi	123.74893	2-LEVEL THRUST	
N	2.0000000	w1	.2000000	w2	.1200000	w3	.1000000	SF	.0776558	LFr	.7984715
PRA	1.1013971	PRB	.9599045	PRC	1.2159250	L	.1344757	min	.1121448	max	.2366450
Si	2.590493	SAB	2.715259	Sf	3.169174	K	.0223309	z	.1021693	m	.1000000
n	.1200000	gam	33.748912	b-al	28.782049	the	118.78207	phi	123.74893	2-LEVEL THRUST	
N	2.0000000	w1	.2000000	w2	.1300000	w3	.0200000	SF	.0604506	LFr	.7610779
PRA	1.0200000	PRB	1.1603397	PRC	1.1298923	L	.1431522	min	.0678589	max	.2653449
Si	2.849556	SAB	2.413939	Sf	3.164816	K	.0752934	z	.1221927	m	.0200000
n	.1300000	gam	36.341171	b-al	10.671771	the	100.67179	phi	126.34119	2-LEVEL THRUST	
N	2.0000000	w1	.2000000	w2	.1300000	w3	.0300000	SF	.0616331	LFr	.7685881
PRA	1.0300000	PRB	1.1297939	PRC	1.1359850	L	.1472149	min	.0757721	max	.2632582
Si	2.849545	SAB	2.466172	Sf	3.165156	K	.0714428	z	.1160433	m	.0300000
n	.1300000	gam	36.341171	b-al	12.839472	the	102.83949	phi	126.34119	2-LEVEL THRUST	
N	2.0000000	w1	.2000000	w2	.1300000	w3	.0400000	SF	.0632343	LFr	.7768374
PRA	1.0400000	PRB	1.1009268	PRC	1.1414858	L	.1511250	min	.0832878	max	.2607738
Si	2.849547	SAB	2.519029	Sf	3.165645	K	.0678372	z	.1096488	m	.0400000
n	.1300000	gam	36.341171	b-al	15.026038	the	105.02606	phi	126.34119	2-LEVEL THRUST	
N	2.0000000	w1	.2000000	w2	.1300000	w3	.0500000	SF	.0654984	LFr	.8676434
PRA	1.0400000	PRB	1.0675251	PRC	1.0441996	L	.2439327	min	.0903929	max	.2578789
Si	3.561945	SAB	2.928692	Sf	3.166320	K	.1535399	z	.0139462	m	.0500000
n	.1300000	gam	36.341171	b-al	17.235267	the	107.23529	phi	126.34119		
N	2.0000000	w1	.2000000	w2	.1300000	w3	.0500000	SF	.0654984	LFr	.7860107
PRA	1.0500000	PRB	1.0737916	PRC	1.1462506	L	.1548844	min	.0903929	max	.2578789
Si	2.849558	SAB	2.572499	Sf	3.166320	K	.0644915	z	.1029946	m	.0500000
n	.1300000	gam	36.341171	b-al	17.235267	the	107.23529	phi	126.34119	2-LEVEL THRUST	
N	2.0000000	w1	.2000000	w2	.1300000	w3	.0500000	SF	.0654984	LFr	.7315874
PRA	1.0553420	PRB	1.0582029	PRC	1.287522	L	.0955181	min	.0903929	max	.2578789
Si	2.374629	SAB	2.323973	Sf	3.166320	K	.0051252	z	.1623608	m	.0500000
n	.1300000	gam	36.341171	b-al	17.235267	the	107.23529	phi	126.34119	2-LEVEL THRUST	
N	2.0000000	w1	.2000000	w2	.1300000	w3	.0600000	SF	.0683775	LFr	.8649292
PRA	1.0500000	PRB	1.0468841	PRC	1.0427478	L	.2297325	min	.0970790	max	.2545650
Si	3.419459	SAB	2.911502	Sf	3.167233	K	.1326535	z	.0248325	m	.0600000
n	.1300000	gam	36.341171	b-al	19.470873	the	109.47089	phi	126.34119		
N	2.0000000	w1	.2000000	w2	.1300000	w3	.0600000	SF	.0683775	LFr	.7959957
PRA	1.0600000	PRB	1.0484759	PRC	1.1501000	L	.1584950	min	.0970790	max	.2545650
Si	2.849559	SAB	2.626552	Sf	3.167233	K	.0614160	z	.0960701	m	.0600000
n	.1300000	gam	36.341171	b-al	19.470873	the	109.47089	phi	126.34119	2-LEVEL THRUST	
N	2.0000000	w1	.2000000	w2	.1300000	w3	.0600000	SF	.0683775	LFr	.7467547
PRA	1.0652414	PRB	1.0358499	PRC	1.267993	L	.1076088	min	.0970790	max	.2545650
Si	2.442469	SAB	2.411384	Sf	3.167233	K	.0105298	z	.1469562	m	.0600000
n	.1300000	gam	36.341171	b-al	19.470873	the	109.47089	phi	126.34119	2-LEVEL THRUST	

N	2.0000000	w1	.2000000	w2	.1300000	w3	.0700000	SF	.0720444	LFr	.8673811		
PRA	1.0600000	PRB	1.0266250	PRC	1.0574204	L	.2213211	min	.1033177	max	.2508037		
Si	3.324476	SAB	2.918661	Sf	3.168423	K	.1180034	z	.0294826	m	.0700000		
n	.1300000	gam	36.341171	b-al	21.738145	the	111.73817	phi	126.34119	2-LEVEL THRUST			
N	2.0000000	w1	.2000000	w2	.1300000	w3	.0700000	SF	.0720444	LFr	.8069115		
PRA	1.0699670	PRB	1.0251471	PRC	1.1527729	L	.1619549	min	.1033177	max	.2508037		
Si	2.849546	SAB	2.681101	Sf	3.168423	K	.0586372	z	.0888488	m	.0700000		
n	.1300000	gam	36.341171	b-al	21.738145	the	111.73817	phi	126.34119	2-LEVEL THRUST			
N	2.0000000	w1	.2000000	w2	.1300000	w3	.0700000	SF	.0720444	LFr	.7615604		
PRA	1.0745232	PRB	1.0146842	PRC	1.254323	L	.1174317	min	.1033177	max	.2508037		
Si	2.493360	SAB	2.489447	Sf	3.168423	K	.0141139	z	.1333721	m	.0700000		
n	.1300000	gam	36.341171	b-al	21.738145	the	111.73817	phi	126.34119	2-LEVEL THRUST			
N	2.0000000	w1	.2000000	w2	.1300000	w3	.0800000	SF	.0766087	LFr	.8732309		
PRA	1.0700000	PRB	1.0074848	PRC	1.0702226	L	.2161560	min	.1090942	max	.2465802		
Si	3.256626	SAB	2.939967	Sf	3.169969	K	.1070619	z	.0304242	m	.0800000		
n	.1300000	gam	36.341171	b-al	24.041817	the	114.04184	phi	126.34119	2-LEVEL THRUST			
N	2.0000000	w1	.2000000	w2	.1300000	w3	.0800000	SF	.0766087	LFr	.8188095		
PRA	1.0797344	PRB	1.0041856	PRC	1.1539233	L	.1652718	min	.1090942	max	.2465802		
Si	2.849552	SAB	2.735672	Sf	3.169969	K	.0561776	z	.0813084	m	.0800000		
n	.1300000	gam	36.341171	b-al	24.041817	the	114.04184	phi	126.34119	2-LEVEL THRUST			
N	2.0000000	w1	.2000000	w2	.1300000	w3	.0800000	SF	.0766087	LFr	.7764797		
PRA	1.0834170	PRB	.9954928	PRC	1.2431739	L	.1256943	min	.1090942	max	.2465802		
Si	2.532932	SAB	2.561445	Sf	3.169969	K	.0166001	z	.1208859	m	.0800000		
n	.1300000	gam	36.341171	b-al	24.041817	the	114.04184	phi	126.34119	2-LEVEL THRUST			
N	2.0000000	w1	.2000000	w2	.1300000	w3	.0900000	SF	.0821486	LFr	.8815909		
PRA	1.0800000	PRB	.9901078	PRC	1.0785451	L	.2129688	min	.1143846	max	.2418706		
Si	3.205750	SAB	2.970335	Sf	3.171950	K	.0985842	z	.0289018	m	.0900000		
n	.1300000	gam	36.341171	b-al	26.387580	the	116.38760	phi	126.34119	2-LEVEL THRUST			
N	2.0000000	w1	.2000000	w2	.1300000	w3	.0900000	SF	.0821486	LFr	.8317022		
PRA	1.0892151	PRB	.9859971	PRC	1.1530467	L	.1684437	min	.1143846	max	.2418706		
Si	2.849549	SAB	2.789997	Sf	3.171950	K	.0540591	z	.0734270	m	.0900000		
n	.1300000	gam	36.341171	b-al	26.387580	the	116.38760	phi	126.34119	2-LEVEL THRUST			
N	2.0000000	w1	.2000000	w2	.1300000	w3	.0900000	SF	.0821486	LFr	.7917919		
PRA	1.0920302	PRB	.9788253	PRC	1.2324759	L	.1328240	min	.1143846	max	.2418706		
Si	2.564591	SAB	2.629315	Sf	3.171950	K	.0184393	z	.1090467	m	.0900000		
n	.1300000	gam	36.341171	b-al	26.387580	the	116.38760	phi	126.34119	2-LEVEL THRUST			
N	2.0000000	w1	.2000000	w2	.1300000	w3	.1000000	SF	.0888510	LFr	.8920670		
PRA	1.0899947	PRB	.9752951	PRC	1.0824716	L	.2110500	min	.1191591	max	.2366450		
Si	3.166168	SAB	3.006906	Sf	3.174478	K	.0918910	z	.0255950	m	.1000000		
n	.1300000	gam	36.341171	b-al	28.782049	the	118.78207	phi	126.34119	2-LEVEL THRUST			
N	2.0000000	w1	.2000000	w2	.1300000	w3	.1000000	SF	.0888510	LFr	.8457070		
PRA	1.0984017	PRB	.9711717	PRC	1.1493121	L	.1714726	min	.1191591	max	.2366450		
Si	2.849548	SAB	2.844058	Sf	3.174478	K	.0523135	z	.0651725	m	.1000000		
n	.1300000	gam	36.341171	b-al	28.782049	the	118.78207	phi	126.34119	2-LEVEL THRUST			
N	2.0000000	w1	.2000000	w2	.1300000	w3	.1000000	SF	.0888510	LFr	.8077765		
PRA	1.1004414	PRB	.9653688	PRC	1.2204749	L	.1390915	min	.1191591	max	.2366450		
Si	2.590499	SAB	2.694327	Sf	3.174478	K	.0199325	z	.0975535	m	.1000000		
n	.1300000	gam	36.341171	b-al	28.782049	the	118.78207	phi	126.34119	2-LEVEL THRUST			
N	2.0000000	w1	.2000000	w2	.1300000	w3	.1100000	SF	.0968657	LFr	.9044438		
PRA	1.0998607	PRB	.9644968	PRC	1.0810719	L	.2099781	min	.1233832	max	.2308692		
Si	3.134500	SAB	3.047601	Sf	3.177704	K	.0865949	z	.0208911	m	.1100000		
n	.1300000	gam	36.341171	b-al	31.232814	the	121.23283	phi	126.34119	2-LEVEL THRUST			

N	2.0000000	w1	.2000000	w2	.1300000	w3	.1100000	SF	.0968657	LFr	.8609076
PRA	1.1073271	PRB	.9608948	PRC	1.1411602	L	.1743603	min	.1233832	max	.2308692
Si	2.849557	SAB	2.897951	Sf	3.177704	K	.0509771	z	.0565089	m	.1100000
n	.1300000	gam	36.341171	b-al	31.232814	the	121.23283	phi	126.34119	2-LEVEL THRUST	

N	2.0000000	w1	.2000000	w2	.1300000	w3	.1100000	SF	.0968657	LFr	.8246250
PRA	1.1087246	PRB	.9564033	PRC	1.2049697	L	.1446762	min	.1233832	max	.2308692
Si	2.612084	SAB	2.757378	Sf	3.177704	K	.0212930	z	.0861930	m	.1100000
n	.1300000	gam	36.341171	b-al	31.232814	the	121.23283	phi	126.34119	2-LEVEL THRUST	

N	2.0000000	w1	.2000000	w2	.1400000	w3	.0200000	SF	.0735865	LFr	.7720490
PRA	1.0200000	PRB	1.1793613	PRC	1.1237398	L	.1483307	min	.0755807	max	.2653449
Si	2.849555	SAB	2.393224	Sf	3.171728	K	.0727500	z	.1170142	m	.0200000
n	.1400000	gam	39.022490	b-al	10.671771	the	100.67179	phi	129.02251	2-LEVEL THRUST	

N	2.0000000	w1	.2000000	w2	.1400000	w3	.0300000	SF	.0747690	LFr	.7796278
PRA	1.0300000	PRB	1.1478570	PRC	1.1300425	L	.1523934	min	.0834940	max	.2632582
Si	2.849543	SAB	2.445457	Sf	3.172068	K	.0688994	z	.1108648	m	.0300000
n	.1400000	gam	39.022490	b-al	12.839472	the	102.83949	phi	129.02251	2-LEVEL THRUST	

N	2.0000000	w1	.2000000	w2	.1400000	w3	.0400000	SF	.0763712	LFr	.7879591
PRA	1.0400000	PRB	1.1180157	PRC	1.1358295	L	.1563053	min	.0910096	max	.2607738
Si	2.849561	SAB	2.498322	Sf	3.172557	K	.0652958	z	.1044685	m	.0400000
n	.1400000	gam	39.022490	b-al	15.026038	the	105.02606	phi	129.02251	2-LEVEL THRUST	

N	2.0000000	w1	.2000000	w2	.1400000	w3	.0500000	SF	.0786352	LFr	.8833923
PRA	1.0400000	PRB	1.0830442	PRC	1.0218161	L	.2491112	min	.0981147	max	.2578789
Si	3.561944	SAB	2.907977	Sf	3.173232	K	.1509965	z	.0087677	m	.0500000
n	.1400000	gam	39.022490	b-al	17.235267	the	107.23529	phi	129.02251		

N	2.0000000	w1	.2000000	w2	.1400000	w3	.0500000	SF	.0786352	LFr	.7972241
PRA	1.0500000	PRB	1.0898715	PRC	1.1409920	L	.1600628	min	.0981147	max	.2578789
Si	2.849557	SAB	2.551784	Sf	3.173232	K	.0619481	z	.0978161	m	.0500000
n	.1400000	gam	39.022490	b-al	17.235267	the	107.23529	phi	129.02251	2-LEVEL THRUST	

N	2.0000000	w1	.2000000	w2	.1400000	w3	.0500000	SF	.0786352	LFr	.7397776
PRA	1.0543807	PRB	1.0714519	PRC	1.287115	L	.1006966	min	.0981147	max	.2578789
Si	2.374627	SAB	2.300975	Sf	3.173232	K	.0025819	z	.1571823	m	.0500000
n	.1400000	gam	39.022490	b-al	17.235267	the	107.23529	phi	129.02251	2-LEVEL THRUST	

N	2.0000000	w1	.2000000	w2	.1400000	w3	.0600000	SF	.0815144	LFr	.8798771
PRA	1.0500000	PRB	1.0619848	PRC	1.0339330	L	.2349110	min	.1048008	max	.2545650
Si	3.419458	SAB	2.890787	Sf	3.174146	K	.1301102	z	.0196541	m	.0600000
n	.1400000	gam	39.022490	b-al	19.470873	the	109.47089	phi	129.02251	2-LEVEL THRUST	

N	2.0000000	w1	.2000000	w2	.1400000	w3	.0600000	SF	.0815144	LFr	.8073149
PRA	1.0600012	PRB	1.0634811	PRC	1.1453790	L	.1636734	min	.1048008	max	.2545650
Si	2.849557	SAB	2.605841	Sf	3.174146	K	.0588726	z	.0908916	m	.0600000
n	.1400000	gam	39.022490	b-al	19.470873	the	109.47089	phi	129.02251	2-LEVEL THRUST	

N	2.0000000	w1	.2000000	w2	.1400000	w3	.0600000	SF	.0815144	LFr	.7554827
PRA	1.0643630	PRB	1.0487312	PRC	1.267165	L	.1127873	min	.1048008	max	.2545650
Si	2.442468	SAB	2.388524	Sf	3.174146	K	.0079865	z	.1417778	m	.0600000
n	.1400000	gam	39.022490	b-al	19.470873	the	109.47089	phi	129.02251	2-LEVEL THRUST	

N	2.0000000	w1	.2000000	w2	.1400000	w3	.0700000	SF	.0851812	LFr	.8818474
PRA	1.0600000	PRB	1.0409342	PRC	1.0526307	L	.2264996	min	.1110395	max	.2508037
Si	3.324475	SAB	2.897946	Sf	3.175335	K	.1154601	z	.0243042	m	.0700000
n	.1400000	gam	39.022490	b-al	21.738145	the	111.73817	phi	129.02251	2-LEVEL THRUST	

N	2.0000000	w1	.2000000	w2	.1400000	w3	.0700000	SF	.0851812	LFr	.8183565
PRA	1.0699378	PRB	1.0390056	PRC	1.1487862	L	.1671352	min	.1110395	max	.2508037
Si	2.849560	SAB	2.660311	Sf	3.175335	K	.0560957	z	.0836685	m	.0700000
n	.1400000	gam	39.022490	b-al	21.738145	the	111.73817	phi	129.02251	2-LEVEL THRUST	

N	2.0000000	w1	.2000000	w2	.1400000	w3	.0700000	SF	.0851812	LFr	.7707358
PRA	1.0736305	PRB	1.0268563	PRC	1.253712	L	.1226101	min	.1110395	max	.2508037
Si	2.493359	SAB	2.466506	Sf	3.175335	K	.0115706	z	.1281936	m	.0700000
n	.1400000	gam	39.022490	b-al	21.738145	the	111.73817	phi	129.02251	2-LEVEL THRUST	

N	2.0000000	w1	.2000000	w2	.1400000	w3	.0800000	SF	.0897446	LFr	.8874035
PRA	1.0700000	PRB	1.0206618	PRC	1.0662218	L	.2213345	min	.1168160	max	.2465802
Si	3.256625	SAB	2.919252	Sf	3.176881	K	.1045185	z	.0252457	m	.0800000
n	.1400000	gam	39.022490	b-al	24.041817	the	114.04184	phi	129.02251	2-LEVEL THRUST	

N	2.0000000	w1	.2000000	w2	.1400000	w3	.0800000	SF	.0897446	LFr	.8303909
PRA	1.0796376	PRB	1.0167580	PRC	1.1509713	L	.1704502	min	.1168160	max	.2465802
Si	2.849551	SAB	2.714681	Sf	3.176881	K	.0536343	z	.0761300	m	.0800000
n	.1400000	gam	39.022490	b-al	24.041817	the	114.04184	phi	129.02251	2-LEVEL THRUST	

N	2.0000000	w1	.2000000	w2	.1400000	w3	.0800000	SF	.0897446	LFr	.7860460
PRA	1.0824678	PRB	1.0066508	PRC	1.2432968	L	.1308727	min	.1168160	max	.2465802
Si	2.532931	SAB	2.538325	Sf	3.176881	K	.0140568	z	.1157074	m	.0800000
n	.1400000	gam	39.022490	b-al	24.041817	the	114.04184	phi	129.02251	2-LEVEL THRUST	

N	2.0000000	w1	.2000000	w2	.1400000	w3	.0900000	SF	.0952845	LFr	.8955946
PRA	1.0800000	PRB	1.0017687	PRC	1.0758162	L	.2181473	min	.1221064	max	.2418706
Si	3.205749	SAB	2.949620	Sf	3.178862	K	.0960409	z	.0237234	m	.0900000
n	.1400000	gam	39.022490	b-al	26.387580	the	116.38760	phi	129.02251	2-LEVEL THRUST	

N	2.0000000	w1	.2000000	w2	.1400000	w3	.0900000	SF	.0952845	LFr	.8434382
PRA	1.0890300	PRB	.9969977	PRC	1.1515771	L	.1736221	min	.1221064	max	.2418706
Si	2.849548	SAB	2.768754	Sf	3.178862	K	.0515157	z	.0682485	m	.0900000
n	.1400000	gam	39.022490	b-al	26.387580	the	116.38760	phi	129.02251	2-LEVEL THRUST	

N	2.0000000	w1	.2000000	w2	.1400000	w3	.0900000	SF	.0952845	LFr	.8017140
PRA	1.0910054	PRB	.9885808	PRC	1.2339277	L	.1380024	min	.1221064	max	.2418706
Si	2.564590	SAB	2.605972	Sf	3.178862	K	.0158960	z	.1038682	m	.0900000
n	.1400000	gam	39.022490	b-al	26.387580	the	116.38760	phi	129.02251	2-LEVEL THRUST	

N	2.0000000	w1	.2000000	w2	.1400000	w3	.1000000	SF	.1019878	LFr	.9059944
PRA	1.0899863	PRB	.9848527	PRC	1.0817629	L	.2162285	min	.1268809	max	.2366450
Si	3.166166	SAB	2.986164	Sf	3.181391	K	.0893477	z	.0204166	m	.1000000
n	.1400000	gam	39.022490	b-al	28.782049	the	118.78207	phi	129.02251	2-LEVEL THRUST	

N	2.0000000	w1	.2000000	w2	.1400000	w3	.1000000	SF	.1019878	LFr	.8576183
PRA	1.0981178	PRB	.9800431	PRC	1.1500922	L	.1766510	min	.1268809	max	.2366450
Si	2.849546	SAB	2.822534	Sf	3.181391	K	.0497702	z	.0599940	m	.1000000
n	.1400000	gam	39.022490	b-al	28.782049	the	118.78207	phi	129.02251	2-LEVEL THRUST	

N	2.0000000	w1	.2000000	w2	.1400000	w3	.1000000	SF	.1019878	LFr	.8180390
PRA	1.0993339	PRB	.9730869	PRC	1.2241464	L	.1442700	min	.1268809	max	.2366450
Si	2.590498	SAB	2.670742	Sf	3.181391	K	.0173891	z	.0923751	m	.1000000
n	.1400000	gam	39.022490	b-al	28.782049	the	118.78207	phi	129.02251	2-LEVEL THRUST	

N	2.0000000	w1	.2000000	w2	.1400000	w3	.1100000	SF	.1100025	LFr	.9183664
PRA	1.0998087	PRB	.9708178	PRC	1.0837907	L	.2151585	min	.1311050	max	.2308692
Si	3.134514	SAB	3.026732	Sf	3.184616	K	.0840535	z	.0157107	m	.1100000
n	.1400000	gam	39.022490	b-al	31.232814	the	121.23283	phi	129.02251	2-LEVEL THRUST	

N	2.0000000	w1	.2000000	w2	.1400000	w3	.1100000	SF	.1100025	LFr	.8730145
PRA	1.1069415	PRB	.9664543	PRC	1.1456877	L	.1795387	min	.1311050	max	.2308692
Si	2.849556	SAB	2.876137	Sf	3.184616	K	.0484337	z	.0513305	m	.1100000
n	.1400000	gam	39.022490	b-al	31.232814	the	121.23283	phi	129.02251	2-LEVEL THRUST	

N	2.0000000	w1	.2000000	w2	.1400000	w3	.1100000	SF	.1100025	LFr	.8352194
PRA	1.1075354	PRB	.9608182	PRC	1.2125171	L	.1498547	min	.1311050	max	.2308692
Si	2.612083	SAB	2.733556	Sf	3.184616	K	.0187497	z	.0810145	m	.1100000
n	.1400000	gam	39.022490	b-al	31.232814	the	121.23283	phi	129.02251	2-LEVEL THRUST	

N	2.0000000	w1	.2000000	w2	.1400000	w3	.1200000	SF	.1195107	LFr	.9326000
PRA	1.1093678	PRB	.9610695	PRC	1.0807782	L	.2146626	min	.1347361	max	.2245002
Si	3.108595	SAB	3.069925	Sf	3.188740	K	.0799265	z	.0098377	m	.1200000
n	.1400000	gam	39.022490	b-al	33.748912	the	123.74893	phi	129.02251	2-LEVEL THRUST	

N	2.0000000	w1	.2000000	w2	.1400000	w3	.1200000	SF	.1195107	LFr	.8897219
PRA	1.1155630	PRB	.9574278	PRC	1.1368066	L	.1822815	min	.1347361	max	.2245002
Si	2.849546	SAB	2.929723	Sf	3.188740	K	.0475455	z	.0422187	m	.1200000
n	.1400000	gam	39.022490	b-al	33.748912	the	123.74893	phi	129.02251	2-LEVEL THRUST	

N	2.0000000	w1	.2000000	w2	.1400000	w3	.1200000	SF	.1195107	LFr	.8534413
PRA	1.1156935	PRB	.9530628	PRC	1.1970000	L	.1548824	min	.1347361	max	.2245002
Si	2.630354	SAB	2.795139	Sf	3.188740	K	.0201464	z	.0696178	m	.1200000
n	.1400000	gam	39.022490	b-al	33.748912	the	123.74893	phi	129.02251	2-LEVEL THRUST	

N	2.0000000	w1	.2000000	w2	.1500000	w3	.0200000	SF	.0889702	LFr	.7838926
PRA	1.0200000	PRB	1.1985598	PRC	1.1198396	L	.1541557	min	.0840969	max	.2653449
Si	2.849547	SAB	2.369915	Sf	3.180887	K	.0700589	z	.1111892	m	.0200000
n	.1500000	gam	41.810053	b-al	10.671771	the	100.67179	phi	131.81007	2-LEVEL THRUST	

N	2.0000000	w1	.2000000	w2	.1500000	w3	.0300000	SF	.0901527	LFr	.7915735
PRA	1.0300000	PRB	1.1660499	PRC	1.1263556	L	.1582203	min	.0920101	max	.2632582
Si	2.849550	SAB	2.422155	Sf	3.181227	K	.0662102	z	.1050379	m	.0300000
n	.1500000	gam	41.810053	b-al	12.839472	the	102.83949	phi	131.81007	2-LEVEL THRUST	

N	2.0000000	w1	.2000000	w2	.1500000	w3	.0400000	SF	.0917549	LFr	.8000164
PRA	1.0400000	PRB	1.1352047	PRC	1.1324257	L	.1621304	min	.0995257	max	.2607738
Si	2.849552	SAB	2.475013	Sf	3.181716	K	.0626047	z	.0986434	m	.0400000
n	.1500000	gam	41.810053	b-al	15.026038	the	105.02606	phi	131.81007	2-LEVEL THRUST	

N	2.0000000	w1	.2000000	w2	.1500000	w3	.0500000	SF	.0940189	LFr	.9001112
PRA	1.0400000	PRB	1.0990021	PRC	1.0038275	L	.2549362	min	.1066309	max	.2578789
Si	3.561936	SAB	2.884669	Sf	3.182391	K	.1483054	z	.0029427	m	.0500000
n	.1500000	gam	41.810053	b-al	17.235267	the	107.23529	phi	131.81007	2-LEVEL THRUST	

N	2.0000000	w1	.2000000	w2	.1500000	w3	.0500000	SF	.0940189	LFr	.8094072
PRA	1.0500000	PRB	1.1060454	PRC	1.1379466	L	.1658878	min	.1066309	max	.2578789
Si	2.849548	SAB	2.528475	Sf	3.182391	K	.0592570	z	.0919911	m	.0500000
n	.1500000	gam	41.810053	b-al	17.235267	the	107.23529	phi	131.81007	2-LEVEL THRUST	

N	2.0000000	w1	.2000000	w2	.1500000	w3	.0600000	SF	.0968981	LFr	.8958302
PRA	1.0500000	PRB	1.0775052	PRC	1.0302853	L	.2407379	min	.1133170	max	.2545650
Si	3.419465	SAB	2.867486	Sf	3.183305	K	.1274210	z	.0138271	m	.0600000
n	.1500000	gam	41.810053	b-al	19.470873	the	109.47089	phi	131.81007	2-LEVEL THRUST	

N	2.0000000	w1	.2000000	w2	.1500000	w3	.0600000	SF	.0968981	LFr	.8196383
PRA	1.0599998	PRB	1.0786063	PRC	1.1428002	L	.1694985	min	.1133170	max	.2545650
Si	2.849549	SAB	2.582527	Sf	3.183305	K	.0561815	z	.0850666	m	.0600000
n	.1500000	gam	41.810053	b-al	19.470873	the	109.47089	phi	131.81007	2-LEVEL THRUST	

N	2.0000000	w1	.2000000	w2	.1500000	w3	.0600000	SF	.0968981	LFr	.7652159
PRA	1.0632972	PRB	1.0615041	PRC	1.269295	L	.1186142	min	.1133170	max	.2545650
Si	2.442475	SAB	2.362620	Sf	3.183305	K	.0052972	z	.1359508	m	.0600000
n	.1500000	gam	41.810053	b-al	19.470873	the	109.47089	phi	131.81007	2-LEVEL THRUST	

N	2.0000000	w1	.2000000	w2	.1500000	w3	.0700000	SF	.1005650	LFr	.8973522
PRA	1.0600000	PRB	1.0556646	PRC	1.0493741	L	.2323265	min	.1195557	max	.2508037
Si	3.324481	SAB	2.874644	Sf	3.184494	K	.1127709	z	.0184772	m	.0700000
n	.1500000	gam	41.810053	b-al	21.738145	the	111.73817	phi	131.81007	2-LEVEL THRUST	

N	2.0000000	w1	.2000000	w2	.1500000	w3	.0700000	SF	.1005650	LFr	.8308354
PRA	1.0698931	PRB	1.0530707	PRC	1.1468152	L	.1729603	min	.1195557	max	.2508037
Si	2.849551	SAB	2.636875	Sf	3.184494	K	.0534046	z	.0778434	m	.0700000
n	.1500000	gam	41.810053	b-al	21.738145	the	111.73817	phi	131.81007	2-LEVEL THRUST	

N	2.0000000	w1	.2000000	w2	.1500000	w3	.0700000	SF	.1005650	LFr	.7809467		
PRA	1.0725621	PRB	1.0390676	PRC	1.255776	L	.1284351	min	.1195557	max	.2508037		
Si	2.493350	SAB	2.440533	Sf	3.184494	K	.0088795	z	.1223686	m	.0700000		
n	.1500000	gam	41.810053	b-al	21.738145	the	111.73817	phi	131.81007	2-LEVEL THRUST			
N	2.0000000	w1	.2000000	w2	.1500000	w3	.0800000	SF	.1051283	LFr	.9026470		
PRA	1.0700000	PRB	1.0343579	PRC	1.0636268	L	.2271614	min	.1253321	max	.2465802		
Si	3.256632	SAB	2.895951	Sf	3.186040	K	.1018293	z	.0194188	m	.0800000		
n	.1500000	gam	41.810053	b-al	24.041817	the	114.04184	phi	131.81007	2-LEVEL THRUST			
N	2.0000000	w1	.2000000	w2	.1500000	w3	.0800000	SF	.1051283	LFr	.8430424		
PRA	1.0795116	PRB	1.0296999	PRC	1.1498029	L	.1762772	min	.1253321	max	.2465802		
Si	2.849557	SAB	2.691022	Sf	3.186040	K	.0509450	z	.0703030	m	.0800000		
n	.1500000	gam	41.810053	b-al	24.041817	the	114.04184	phi	131.81007	2-LEVEL THRUST			
N	2.0000000	w1	.2000000	w2	.1500000	w3	.0800000	SF	.1051283	LFr	.7966824		
PRA	1.0813456	PRB	1.0180561	PRC	1.2457429	L	.1366997	min	.1253321	max	.2465802		
Si	2.532938	SAB	2.512182	Sf	3.186040	K	.0113676	z	.1098805	m	.0800000		
n	.1500000	gam	41.810053	b-al	24.041817	the	114.04184	phi	131.81007	2-LEVEL THRUST			
N	2.0000000	w1	.2000000	w2	.1500000	w3	.0900000	SF	.1106682	LFr	.9107008		
PRA	1.0800000	PRB	1.0141793	PRC	1.0742018	L	.2239723	min	.1306226	max	.2418706		
Si	3.205740	SAB	2.926311	Sf	3.188021	K	.0933497	z	.0178983	m	.0900000		
n	.1500000	gam	41.810053	b-al	26.387580	the	116.38760	phi	131.81007	2-LEVEL THRUST			
N	2.0000000	w1	.2000000	w2	.1500000	w3	.0900000	SF	.1106682	LFr	.8562794		
PRA	1.0888027	PRB	1.0086546	PRC	1.1515080	L	.1794491	min	.1306226	max	.2418706		
Si	2.849554	SAB	2.744806	Sf	3.188021	K	.0488265	z	.0624216	m	.0900000		
n	.1500000	gam	41.810053	b-al	26.387580	the	116.38760	phi	131.81007	2-LEVEL THRUST			
N	2.0000000	w1	.2000000	w2	.1500000	w3	.0900000	SF	.1106682	LFr	.8127413		
PRA	1.0898051	PRB	.9989101	PRC	1.2372103	L	.1438294	min	.1306226	max	.2418706		
Si	2.564597	SAB	2.579593	Sf	3.188021	K	.0132068	z	.0980413	m	.0900000		
n	.1500000	gam	41.810053	b-al	26.387580	the	116.38760	phi	131.81007	2-LEVEL THRUST			
N	2.0000000	w1	.2000000	w2	.1500000	w3	.1000000	SF	.1173716	LFr	.9210596		
PRA	1.0899715	PRB	.9956474	PRC	1.0815714	L	.2220554	min	.1353970	max	.2366450		
Si	3.166173	SAB	2.962816	Sf	3.190550	K	.0866584	z	.0145896	m	.1000000		
n	.1500000	gam	41.810053	b-al	28.782049	the	118.78207	phi	131.81007	2-LEVEL THRUST			
N	2.0000000	w1	.2000000	w2	.1500000	w3	.1000000	SF	.1173716	LFr	.8706675		
PRA	1.0977800	PRB	.9901089	PRC	1.1515766	L	.1824780	min	.1353970	max	.2366450		
Si	2.849553	SAB	2.798271	Sf	3.190550	K	.0470810	z	.0541671	m	.1000000		
n	.1500000	gam	41.810053	b-al	28.782049	the	118.78207	phi	131.81007	2-LEVEL THRUST			
N	2.0000000	w1	.2000000	w2	.1500000	w3	.1000000	SF	.1173716	LFr	.8294392		
PRA	1.0980469	PRB	.9819607	PRC	1.2288311	L	.1500969	min	.1353970	max	.2366450		
Si	2.590505	SAB	2.644108	Sf	3.190550	K	.0146999	z	.0865481	m	.1000000		
n	.1500000	gam	41.810053	b-al	28.782049	the	118.78207	phi	131.81007	2-LEVEL THRUST			
N	2.0000000	w1	.2000000	w2	.1500000	w3	.1100000	SF	.1253862	LFr	.9334564		
PRA	1.0997417	PRB	.9794565	PRC	1.0857584	L	.2209835	min	.1396212	max	.2308692		
Si	3.134505	SAB	3.003212	Sf	3.193775	K	.0813624	z	.0098857	m	.1100000		
n	.1500000	gam	41.810053	b-al	31.232814	the	121.23283	phi	131.81007	2-LEVEL THRUST			
N	2.0000000	w1	.2000000	w2	.1500000	w3	.1100000	SF	.1253862	LFr	.8862896		
PRA	1.1064906	PRB	.9743544	PRC	1.1494964	L	.1853638	min	.1396212	max	.2308692		
Si	2.849547	SAB	2.851542	Sf	3.193775	K	.0457426	z	.0455054	m	.1100000		
n	.1500000	gam	41.810053	b-al	31.232814	the	121.23283	phi	131.81007	2-LEVEL THRUST			
N	2.0000000	w1	.2000000	w2	.1500000	w3	.1100000	SF	.1253862	LFr	.8469849		
PRA	1.1061622	PRB	.9676007	PRC	1.2194755	L	.1556816	min	.1396212	max	.2308692		
Si	2.612090	SAB	2.706669	Sf	3.193775	K	.0160605	z	.0751876	m	.1100000		
n	.1500000	gam	41.810053	b-al	31.232814	the	121.23283	phi	131.81007	2-LEVEL THRUST			

N	2.0000000	w1	.2000000	w2	.1500000	w3	.1200000	SF	.1348944	LFr	.9477787
PRA	1.1092275	PRB	.9663929	PRC	1.0863113	L	.2204895	min	.1432522	max	.2245002
Si	3.108602	SAB	3.046188	Sf	3.197899	K	.0772373	z	.0040107	m	.1200000
n	.1500000	gam	41.810053	b-al	33.748912	the	123.74893	phi	131.81007	2-LEVEL THRUST	

N	2.0000000	w1	.2000000	w2	.1500000	w3	.1200000	SF	.1348944	LFr	.9032517
PRA	1.1150014	PRB	.9619509	PRC	1.1444382	L	.1881085	min	.1432522	max	.2245002
Si	2.849553	SAB	2.904822	Sf	3.197899	K	.0448563	z	.0363918	m	.1200000
n	.1500000	gam	41.810053	b-al	33.748912	the	123.74893	phi	131.81007	2-LEVEL THRUST	

N	2.0000000	w1	.2000000	w2	.1500000	w3	.1200000	SF	.1348944	LFr	.8655748
PRA	1.1142419	PRB	.9564692	PRC	1.2078819	L	.1607094	min	.1432522	max	.2245002
Si	2.630361	SAB	2.768020	Sf	3.197899	K	.0174572	z	.0637909	m	.1200000
n	.1500000	gam	41.810053	b-al	33.748912	the	123.74893	phi	131.81007	2-LEVEL THRUST	

N	2.0000000	w1	.2000000	w2	.1500000	w3	.1300000	SF	.1460991	LFr	.9216719
PRA	1.1233928	PRB	.9541184	PRC	1.1348443	L	.1907082	min	.1462379	max	.2174860
Si	2.849545	SAB	2.958326	Sf	3.203204	K	.0444702	z	.0267778	m	.1300000
n	.1500000	gam	41.810053	b-al	36.341171	the	126.34119	phi	131.81007	2-LEVEL THRUST	

N	2.0000000	w1	.2000000	w2	.1500000	w3	.1300000	SF	.1460991	LFr	.8853913
PRA	1.1223785	PRB	.9498694	PRC	1.1921335	L	.1652660	min	.1462379	max	.2174860
Si	2.646008	SAB	2.828758	Sf	3.203204	K	.0190281	z	.0522199	m	.1300000
n	.1500000	gam	41.810053	b-al	36.341171	the	126.34119	phi	131.81007	2-LEVEL THRUST	

N	2.0000000	w1	.2000000	w2	.1600000	w3	.0200000	SF	.1069756	LFr	.7967882
PRA	1.0200000	PRB	1.2180053	PRC	1.1186969	L	.1607304	min	.0935102	max	.2653449
Si	2.849551	SAB	2.343620	Sf	3.193367	K	.0672202	z	.1046145	m	.0200000
n	.1600000	gam	44.724704	b-al	10.671771	the	100.67179	phi	134.72472	2-LEVEL THRUST	

N	2.0000000	w1	.2000000	w2	.1600000	w3	.0300000	SF	.1081581	LFr	.8046074
PRA	1.0300000	PRB	1.1844254	PRC	1.1254488	L	.1647949	min	.1014234	max	.2632582
Si	2.849554	SAB	2.395861	Sf	3.193707	K	.0633715	z	.0984632	m	.0300000
n	.1600000	gam	44.724704	b-al	12.839472	the	102.83949	phi	134.72472	2-LEVEL THRUST	

N	2.0000000	w1	.2000000	w2	.1600000	w3	.0400000	SF	.1097603	LFr	.8132019
PRA	1.0400000	PRB	1.1525287	PRC	1.1318032	L	.1687050	min	.1089390	max	.2607738
Si	2.849556	SAB	2.448718	Sf	3.194196	K	.0597660	z	.0920688	m	.0400000
n	.1600000	gam	44.724704	b-al	15.026038	the	105.02606	phi	134.72472	2-LEVEL THRUST	

N	2.0000000	w1	.2000000	w2	.1600000	w3	.0500000	SF	.1120243	LFr	.8227568
PRA	1.0500000	PRB	1.1223219	PRC	1.1376724	L	.1724625	min	.1160442	max	.2578789
Si	2.849552	SAB	2.502181	Sf	3.194871	K	.0564183	z	.0854164	m	.0500000
n	.1600000	gam	44.724704	b-al	17.235267	the	107.23529	phi	134.72472	2-LEVEL THRUST	

N	2.0000000	w1	.2000000	w2	.1600000	w3	.0600000	SF	.1149035	LFr	.9129877
PRA	1.0500000	PRB	1.0933968	PRC	1.0287246	L	.2473126	min	.1227303	max	.2545650
Si	3.419468	SAB	2.841192	Sf	3.195784	K	.1245823	z	.0072525	m	.0600000
n	.1600000	gam	44.724704	b-al	19.470873	the	109.47089	phi	134.72472	2-LEVEL THRUST	

N	2.0000000	w1	.2000000	w2	.1600000	w3	.0600000	SF	.1149035	LFr	.8331671
PRA	1.0599928	PRB	1.0938367	PRC	1.1429519	L	.1760731	min	.1227303	max	.2545650
Si	2.849553	SAB	2.556213	Sf	3.195784	K	.0533428	z	.0784919	m	.0600000
n	.1600000	gam	44.724704	b-al	19.470873	the	109.47089	phi	134.72472	2-LEVEL THRUST	

N	2.0000000	w1	.2000000	w2	.1600000	w3	.0600000	SF	.1149035	LFr	.7761536
PRA	1.0619982	PRB	1.0741137	PRC	1.275217	L	.1251888	min	.1227303	max	.2545650
Si	2.442479	SAB	2.333153	Sf	3.195784	K	.0024586	z	.1293762	m	.0600000
n	.1600000	gam	44.724704	b-al	19.470873	the	109.47089	phi	134.72472	2-LEVEL THRUST	

N	2.0000000	w1	.2000000	w2	.1600000	w3	.0700000	SF	.1185703	LFr	.9140968
PRA	1.0600000	PRB	1.0707448	PRC	1.0482378	L	.2389011	min	.1289690	max	.2508037
Si	3.324485	SAB	2.848350	Sf	3.196974	K	.1099322	z	.0119026	m	.0700000
n	.1600000	gam	44.724704	b-al	21.738145	the	111.73817	phi	134.72472	2-LEVEL THRUST	

N	2.0000000	w1	.2000000	w2	.1600000	w3	.0700000	SF	.1185703	LFr	.8445559		
PRA	1.0698267	PRB	1.0672892	PRC	1.1474968	L	.1795349	min	.1289690	max	.2508037		
Si	2.849555	SAB	2.610391	Sf	3.196974	K	.0505659	z	.0712688	m	.0700000		
n	.1600000	gam	44.724704	b-al	21.738145	the	111.73817	phi	134.72472	2-LEVEL THRUST			
N	2.0000000	w1	.2000000	w2	.1600000	w3	.0700000	SF	.1185703	LFr	.7924004		
PRA	1.0712789	PRB	1.0512329	PRC	1.261351	L	.1350098	min	.1289690	max	.2508037		
Si	2.493354	SAB	2.411039	Sf	3.196974	K	.0060408	z	.1157939	m	.0700000		
n	.1600000	gam	44.724704	b-al	21.738145	the	111.73817	phi	134.72472	2-LEVEL THRUST			
N	2.0000000	w1	.2000000	w2	.1600000	w3	.0800000	SF	.1231337	LFr	.9191694		
PRA	1.0700000	PRB	1.0484435	PRC	1.0631003	L	.2337361	min	.1347455	max	.2465802		
Si	3.256635	SAB	2.869656	Sf	3.198520	K	.0989906	z	.0128441	m	.0800000		
n	.1600000	gam	44.724704	b-al	24.041817	the	114.04184	phi	134.72472	2-LEVEL THRUST			
N	2.0000000	w1	.2000000	w2	.1600000	w3	.0800000	SF	.1231337	LFr	.8569708		
PRA	1.0793493	PRB	1.0428874	PRC	1.1511600	L	.1828499	min	.1347455	max	.2465802		
Si	2.849546	SAB	2.664256	Sf	3.198520	K	.0481045	z	.0637303	m	.0800000		
n	.1600000	gam	44.724704	b-al	24.041817	the	114.04184	phi	134.72472	2-LEVEL THRUST			
N	2.0000000	w1	.2000000	w2	.1600000	w3	.0800000	SF	.1231337	LFr	.8085947		
PRA	1.0800127	PRB	1.0295540	PRC	1.251440	L	.1432724	min	.1347455	max	.2465802		
Si	2.532926	SAB	2.482503	Sf	3.198520	K	.0085270	z	.1033078	m	.0800000		
n	.1600000	gam	44.724704	b-al	24.041817	the	114.04184	phi	134.72472	2-LEVEL THRUST			
N	2.0000000	w1	.2000000	w2	.1600000	w3	.0900000	SF	.1286736	LFr	.9271269		
PRA	1.0800000	PRB	1.0271015	PRC	1.0744941	L	.2305470	min	.1400359	max	.2418706		
Si	3.205744	SAB	2.900017	Sf	3.200501	K	.0905111	z	.0113237	m	.0900000		
n	.1600000	gam	44.724704	b-al	26.387580	the	116.38760	phi	134.72472	2-LEVEL THRUST			
N	2.0000000	w1	.2000000	w2	.1600000	w3	.0900000	SF	.1286736	LFr	.8704386		
PRA	1.0885250	PRB	1.0207262	PRC	1.1537291	L	.1860237	min	.1400359	max	.2418706		
Si	2.849559	SAB	2.717721	Sf	3.200501	K	.0459878	z	.0558469	m	.0900000		
n	.1600000	gam	44.724704	b-al	26.387580	the	116.38760	phi	134.72472	2-LEVEL THRUST			
N	2.0000000	w1	.2000000	w2	.1600000	w3	.0900000	SF	.1286736	LFr	.8250857		
PRA	1.0883939	PRB	1.0095397	PRC	1.1243944	L	.1504040	min	.1400359	max	.2418706		
Si	2.564601	SAB	2.549680	Sf	3.200501	K	.0103681	z	.0914667	m	.0900000		
n	.1600000	gam	44.724704	b-al	26.387580	the	116.38760	phi	134.72472	2-LEVEL THRUST			
N	2.0000000	w1	.2000000	w2	.1600000	w3	.1000000	SF	.1353769	LFr	.9374762		
PRA	1.0899484	PRB	1.0072183	PRC	1.0829694	L	.2286282	min	.1448103	max	.2366450		
Si	3.166162	SAB	2.936440	Sf	3.203030	K	.0838179	z	.0080169	m	.1000000		
n	.1600000	gam	44.724704	b-al	28.782049	the	118.78207	phi	134.72472	2-LEVEL THRUST			
N	2.0000000	w1	.2000000	w2	.1600000	w3	.1000000	SF	.1353769	LFr	.8850708		
PRA	1.0973782	PRB	1.0008898	PRC	1.1549538	L	.1890526	min	.1448103	max	.2366450		
Si	2.849557	SAB	2.770831	Sf	3.203030	K	.0442423	z	.0475925	m	.1000000		
n	.1600000	gam	44.724704	b-al	28.782049	the	118.78207	phi	134.72472	2-LEVEL THRUST			
N	2.0000000	w1	.2000000	w2	.1600000	w3	.1000000	SF	.1353769	LFr	.8421908		
PRA	1.0965452	PRB	.9914704	PRC	1.2359183	L	.1566696	min	.1448103	max	.2366450		
Si	2.590493	SAB	2.613915	Sf	3.203030	K	.0118593	z	.0799754	m	.1000000		
n	.1600000	gam	44.724704	b-al	28.782049	the	118.78207	phi	134.72472	2-LEVEL THRUST			
N	2.0000000	w1	.2000000	w2	.1600000	w3	.1100000	SF	.1433916	LFr	.9499416		
PRA	1.0996550	PRB	.9893890	PRC	1.0886889	L	.2275581	min	.1490345	max	.2308692		
Si	3.134509	SAB	2.976646	Sf	3.206255	K	.0785237	z	.0033111	m	.1100000		
n	.1600000	gam	44.724704	b-al	31.232814	the	121.23283	phi	134.72472	2-LEVEL THRUST			
N	2.0000000	w1	.2000000	w2	.1600000	w3	.1100000	SF	.1433916	LFr	.9009609		
PRA	1.1059630	PRB	.9835249	PRC	1.1544824	L	.1919384	min	.1490345	max	.2308692		
Si	2.849551	SAB	2.823744	Sf	3.206255	K	.0429039	z	.0389308	m	.1100000		
n	.1600000	gam	44.724704	b-al	31.232814	the	121.23283	phi	134.72472	2-LEVEL THRUST			

N	2.0000000	w1	.2000000	w2	.1600000	w3	.1100000	SF	.1433916	LFr	.8601446
PRA	1.1045711	PRB	.9756161	PRC	1.2279976	L	.1622563	min	.1490345	max	.2308692
Si	2.612094	SAB	2.676219	Sf	3.206255	K	.0132218	z	.0686130	m	.1100000
n	.1600000	gam	44.724704	b-al	31.232814	the	121.23283	phi	134.72472	2-LEVEL THRUST	

N	2.0000000	w1	.2000000	w2	.1600000	w3	.1200000	SF	.1528997	LFr	.9182120
PRA	1.1143520	PRB	.9689223	PRC	1.1517976	L	.1946831	min	.1526655	max	.2245002
Si	2.849557	SAB	2.876678	Sf	3.210379	K	.0420176	z	.0298172	m	.1200000
n	.1600000	gam	44.724704	b-al	33.748912	the	123.74893	phi	134.72472	2-LEVEL THRUST	

N	2.0000000	w1	.2000000	w2	.1600000	w3	.1200000	SF	.1528997	LFr	.8791370
PRA	1.1125690	PRB	.9623490	PRC	1.2187052	L	.1672821	min	.1526655	max	.2245002
Si	2.630349	SAB	2.737317	Sf	3.210379	K	.0146166	z	.0572181	m	.1200000
n	.1600000	gam	44.724704	b-al	33.748912	the	123.74893	phi	134.72472	2-LEVEL THRUST	

N	2.0000000	w1	.2000000	w2	.1600000	w3	.1300000	SF	.1641045	LFr	.9369488
PRA	1.1226304	PRB	.9576467	PRC	1.1460967	L	.1972828	min	.1556512	max	.2174860
Si	2.849549	SAB	2.929859	Sf	3.215684	K	.0416316	z	.0202032	m	.1300000
n	.1600000	gam	44.724704	b-al	36.341171	the	126.34119	phi	134:72472	2-LEVEL THRUST	

N	2.0000000	w1	.2000000	w2	.1600000	w3	.1300000	SF	.1641045	LFr	.8993712
PRA	1.1206397	PRB	.9523043	PRC	1.2068994	L	.1718407	min	.1556512	max	.2174860
Si	2.646012	SAB	2.797864	Sf	3.215684	K	.0161894	z	.0456453	m	.1300000
n	.1600000	gam	44.724704	b-al	36.341171	the	126.34119	phi	134.72472	2-LEVEL THRUST	

N	2.0000000	w1	.2000000	w2	.1600000	w3	.1400000	SF	.1772518	LFr	.9573269
PRA	1.1308903	PRB	.9509439	PRC	1.1358343	L	.1997395	min	.1579294	max	.2097641
Si	2.849548	SAB	2.983568	Sf	3.222596	K	.0418100	z	.0100247	m	.1400000
n	.1600000	gam	44.724704	b-al	39.022490	the	129.02251	phi	134.72472	2-LEVEL THRUST	

N	2.0000000	w1	.2000000	w2	.1600000	w3	.1400000	SF	.1772518	LFr	.9210444
PRA	1.1288815	PRB	.9468017	PRC	1.1907695	L	.1759930	min	.1579294	max	.2097641
Si	2.659576	SAB	2.858374	Sf	3.222596	K	.0180636	z	.0337712	m	.1400000
n	.1600000	gam	44.724704	b-al	39.022490	the	129.02251	phi	134.72472	2-LEVEL THRUST	

N	2.0000000	w1	.2000000	w2	.1700000	w3	.0200000	SF	.1280975	LFr	.8109741
PRA	1.0200000	PRB	1.2378048	PRC	1.1211949	L	.1681881	min	.1039602	max	.2653449
Si	2.849550	SAB	2.313789	Sf	3.211123	K	.0642279	z	.0971568	m	.0200000
n	.1700000	gam	47.794385	b-al	10.671771	the	100.67179	phi	137.79441	2-LEVEL THRUST	

N	2.0000000	w1	.2000000	w2	.1700000	w3	.0300000	SF	.1292811	LFr	.8189774
PRA	1.0300000	PRB	1.2030695	PRC	1.1282157	L	.1722527	min	.1118735	max	.2632582
Si	2.849553	SAB	2.366030	Sf	3.211463	K	.0603792	z	.0910055	m	.0300000
n	.1700000	gam	47.794385	b-al	12.839472	the	102.83949	phi	137.79441	2-LEVEL THRUST	

N	2.0000000	w1	.2000000	w2	.1700000	w3	.0400000	SF	.1308823	LFr	.8277683
PRA	1.0400000	PRB	1.1700488	PRC	1.1348788	L	.1761627	min	.1193891	max	.2607738
Si	2.849556	SAB	2.418887	Sf	3.211952	K	.0567737	z	.0846110	m	.0400000
n	.1700000	gam	47.794385	b-al	15.026038	the	105.02606	phi	137.79441	2-LEVEL THRUST	

N	2.0000000	w1	.2000000	w2	.1700000	w3	.0500000	SF	.1331463	LFr	.8375311
PRA	1.0500000	PRB	1.1387429	PRC	1.1411030	L	.1799202	min	.1264942	max	.2578789
Si	2.849552	SAB	2.472349	Sf	3.212827	K	.0534260	z	.0779587	m	.0500000
n	.1700000	gam	47.794385	b-al	17.235267	the	107.23529	phi	137.79441	2-LEVEL THRUST	

N	2.0000000	w1	.2000000	w2	.1700000	w3	.0600000	SF	.1360254	LFr	.8481646
PRA	1.0599754	PRB	1.1091913	PRC	1.1467982	L	.1835308	min	.1331803	max	.2545650
Si	2.849552	SAB	2.526332	Sf	3.213541	K	.0503505	z	.0710342	m	.0600000
n	.1700000	gam	47.794385	b-al	19.470873	the	109.47089	phi	137.79441	2-LEVEL THRUST	

N	2.0000000	w1	.2000000	w2	.1700000	w3	.0700000	SF	.1396923	LFr	.9323568
PRA	1.0600000	PRB	1.0861534	PRC	1.0501044	L	.2463589	min	.1394190	max	.2508037
Si	3.324485	SAB	2.818519	Sf	3.214730	K	.1069399	z	.0044448	m	.0700000
n	.1700000	gam	47.794385	b-al	21.738145	the	111.73817	phi	137.79441	2-LEVEL THRUST	

N	2.0000000	w1	.2000000	w2	.1700000	w3	.0700000	SF	.1396923	LFr	.8597937		
PRA	1.0697313	PRB	1.0816469	PRC	1.1518367	L	.1869927	min	.1394190	max	.2508037		
Si	2.849555	SAB	2.580288	Sf	3.214730	K	.0475736	z	.0638111	m	.0700000		
n	.1700000	gam	47.794385	b-al	21.738145	the	111.73817	phi	137.79441	2-LEVEL THRUST			
N	2.0000000	w1	.2000000	w2	.1700000	w3	.0700000	SF	.1396923	LFr	.8053694		
PRA	1.0697284	PRB	1.0632934	PRC	1.271745	L	.1424675	min	.1394190	max	.2508037		
Si	2.493354	SAB	2.377341	Sf	3.214730	K	.0030485	z	.1083362	m	.0700000		
n	.1700000	gam	47.794385	b-al	21.738145	the	111.73817	phi	137.79441	2-LEVEL THRUST			
N	2.0000000	w1	.2000000	w2	.1700000	w3	.0800000	SF	.1442557	LFr	.9372521		
PRA	1.0700000	PRB	1.0628605	PRC	1.0655789	L	.2411938	min	.1451955	max	.2465802		
Si	3.256635	SAB	2.839825	Sf	3.216277	K	.0959983	z	.0053864	m	.0800000		
n	.1700000	gam	47.794385	b-al	24.041817	the	114.04184	phi	137.79441	2-LEVEL THRUST			
N	2.0000000	w1	.2000000	w2	.1700000	w3	.0800000	SF	.1442557	LFr	.8724613		
PRA	1.0791410	PRB	1.0562642	PRC	1.1560932	L	.1903076	min	.1451955	max	.2465802		
Si	2.849546	SAB	2.633832	Sf	3.216277	K	.0451122	z	.0562726	m	.0800000		
n	.1700000	gam	47.794385	b-al	24.041817	the	114.04184	phi	137.79441	2-LEVEL THRUST			
N	2.0000000	w1	.2000000	w2	.1700000	w3	.0800000	SF	.1442557	LFr	.8220720		
PRA	1.0784228	PRB	1.0410528	PRC	1.261692	L	.1507321	min	.1451955	max	.2465802		
Si	2.532941	SAB	2.448653	Sf	3.216277	K	.0055366	z	.0958481	m	.0800000		
n	.1700000	gam	47.794385	b-al	24.041817	the	114.04184	phi	137.79441	2-LEVEL THRUST			
N	2.0000000	w1	.2000000	w2	.1700000	w3	.0900000	SF	.1497955	LFr	.9451571		
PRA	1.0800011	PRB	1.0404085	PRC	1.0777212	L	.2380047	min	.1504859	max	.2418706		
Si	3.205744	SAB	2.870188	Sf	3.218257	K	.0875188	z	.0038660	m	.0900000		
n	.1700000	gam	47.794385	b-al	26.387580	the	116.38760	phi	137.79441	2-LEVEL THRUST			
N	2.0000000	w1	.2000000	w2	.1700000	w3	.0900000	SF	.1497955	LFr	.8862009		
PRA	1.0881857	PRB	1.0330831	PRC	1.1593922	L	.1934815	min	.1504859	max	.2418706		
Si	2.849558	SAB	2.686923	Sf	3.218257	K	.0429955	z	.0483892	m	.0900000		
n	.1700000	gam	47.794385	b-al	26.387580	the	116.38760	phi	137.79441	2-LEVEL THRUST			
N	2.0000000	w1	.2000000	w2	.1700000	w3	.0900000	SF	.1497955	LFr	.8390341		
PRA	1.0867261	PRB	1.0203053	PRC	1.253874	L	.1578617	min	.1504859	max	.2418706		
Si	2.564600	SAB	2.515571	Sf	3.218257	K	.0073758	z	.0840089	m	.0900000		
n	.1700000	gam	47.794385	b-al	26.387580	the	116.38760	phi	137.79441	2-LEVEL THRUST			
N	2.0000000	w1	.2000000	w2	.1700000	w3	.1000000	SF	.1564989	LFr	.9555464		
PRA	1.0899129	PRB	1.0193238	PRC	1.0871262	L	.2360859	min	.1552604	max	.2366450		
Si	3.166161	SAB	2.906496	Sf	3.220786	K	.0808256	z	.0005592	m	.1000000		
n	.1700000	gam	47.794385	b-al	28.782049	the	118.78207	phi	137.79441	2-LEVEL THRUST			
N	2.0000000	w1	.2000000	w2	.1700000	w3	.1000000	SF	.1564989	LFr	.9011259		
PRA	1.0968998	PRB	1.0121303	PRC	1.1615355	L	.1965103	min	.1552604	max	.2366450		
Si	2.849557	SAB	2.739637	Sf	3.220786	K	.0412500	z	.0401347	m	.1000000		
n	.1700000	gam	47.794385	b-al	28.782049	the	118.78207	phi	137.79441	2-LEVEL THRUST			
N	2.0000000	w1	.2000000	w2	.1700000	w3	.1000000	SF	.1564989	LFr	.8565989		
PRA	1.0947859	PRB	1.0013266	PRC	1.2469376	L	.1641293	min	.1552604	max	.2366450		
Si	2.590508	SAB	2.579535	Sf	3.220786	K	.0088689	z	.0725158	m	.1000000		
n	.1700000	gam	47.794385	b-al	28.782049	the	118.78207	phi	137.79441	2-LEVEL THRUST			
N	2.0000000	w1	.2000000	w2	.1700000	w3	.1100000	SF	.1645136	LFr	.9173260		
PRA	1.1053448	PRB	.9934630	PRC	1.1622669	L	.1993961	min	.1594845	max	.2308692		
Si	2.849551	SAB	2.792152	Sf	3.224012	K	.0399116	z	.0314731	m	.1100000		
n	.1700000	gam	47.794385	b-al	31.232814	the	121.23283	phi	137.79441	2-LEVEL THRUST			
N	2.0000000	w1	.2000000	w2	.1700000	w3	.1100000	SF	.1645136	LFr	.8749981		
PRA	1.1027187	PRB	.9843186	PRC	1.2399448	L	.1697140	min	.1594845	max	.2308692		
Si	2.612093	SAB	2.641548	Sf	3.224012	K	.0102295	z	.0611552	m	.1100000		
n	.1700000	gam	47.794385	b-al	31.232814	the	121.23283	phi	137.79441	2-LEVEL THRUST			

N	2.0000000	wl	.2000000	w2	.1700000	w3	.1200000	SF	.1740217	LFr	.9349117		
PRA	1.1135995	PRB	.9772298	PRC	1.1612303	L	.2021408	min	.1631156	max	.2245002		
Si	2.849557	SAB	2.844702	Sf	3.228136	K	.0390253	z	.0223594	m	.1200000		
n	.1700000	gam	47.794385	b-al	33.748912	the	123.74893	phi	137.79441	2-LEVEL THRUST			
N	2.0000000	wl	.2000000	w2	.1700000	w3	.1200000	SF	.1740217	LFr	.8944416		
PRA	1.1106333	PRB	.9695247	PRC	1.2320952	L	.1747399	min	.1631156	max	.2245002		
Si	2.630349	SAB	2.702394	Sf	3.228136	K	.0116243	z	.0497604	m	.1200000		
n	.1700000	gam	47.794385	b-al	33.748912	the	123.74893	phi	137.79441	2-LEVEL THRUST			
N	2.0000000	wl	.2000000	w2	.1700000	w3	.1300000	SF	.1852265	LFr	.9540081		
PRA	1.1217538	PRB	.9637189	PRC	1.1579413	L	.2047405	min	.1661013	max	.2174860		
Si	2.849549	SAB	2.897530	Sf	3.233440	K	.0386393	z	.0127454	m	.1300000		
n	.1700000	gam	47.794385	b-al	36.341171	the	126.34119	phi	137.79441	2-LEVEL THRUST			
N	2.0000000	wl	.2000000	w2	.1700000	w3	.1300000	SF	.1852265	LFr	.9151354		
PRA	1.1186376	PRB	.9573044	PRC	1.2225754	L	.1792984	min	.1661013	max	.2174860		
Si	2.646012	SAB	2.762735	Sf	3.233440	K	.0131971	z	.0381876	m	.1300000		
n	.1700000	gam	47.794385	b-al	36.341171	the	126.34119	phi	137.79441	2-LEVEL THRUST			
N	2.0000000	wl	.2000000	w2	.1700000	w3	.1400000	SF	.1983738	LFr	.9747763		
PRA	1.1299050	PRB	.9535162	PRC	1.1516100	L	.2071972	min	.1683795	max	.2097641		
Si	2.849548	SAB	2.950929	Sf	3.240353	K	.0388177	z	.0025670	m	.1400000		
n	.1700000	gam	47.794385	b-al	39.022490	the	129.02251	phi	137.79441	2-LEVEL THRUST			
N	2.0000000	wl	.2000000	w2	.1700000	w3	.1400000	SF	.1983738	LFr	.9372854		
PRA	1.1268362	PRB	.9483003	PRC	1.2103740	L	.1834507	min	.1683795	max	.2097641		
Si	2.659576	SAB	2.823103	Sf	3.240353	K	.0150713	z	.0263134	m	.1400000		
n	.1700000	gam	47.794385	b-al	39.022490	the	129.02251	phi	137.79441	2-LEVEL THRUST			
N	2.0000000	wl	.2000000	w2	.1700000	w3	.1500000	SF	.2137499	LFr	.9611187		
PRA	1.1353390	PRB	.9438514	PRC	1.1937583	L	.1872444	min	.1698633	max	.2012480		
Si	2.671445	SAB	2.884019	Sf	3.249512	K	.0173811	z	.0140036	m	.1500000		
n	.1700000	gam	47.794385	b-al	41.810053	the	131.81007	phi	137.79441	2-LEVEL THRUST			
N	2.0000000	wl	.2000000	w2	.1800000	w3	.0200000	SF	.1530075	LFr	.8267737		
PRA	1.0200000	PRB	1.258111	PRC	1.1290688	L	.1767159	min	.1156384	max	.2653449		
Si	2.849553	SAB	2.279680	Sf	3.238270	K	.0610775	z	.0886290	m	.0200000		
n	.1800000	gam	51.05743	b-al	10.671771	the	100.67179	phi	141.05745	2-LEVEL THRUST			
N	2.0000000	wl	.2000000	w2	.1800000	w3	.0300000	SF	.1541901	LFr	.8350153		
PRA	1.0300000	PRB	1.2221076	PRC	1.1364112	L	.1807804	min	.1235517	max	.2632582		
Si	2.849556	SAB	2.331921	Sf	3.238611	K	.0572288	z	.0824777	m	.0300000		
n	.1800000	gam	51.05743	b-al	12.839472	the	102.83949	phi	141.05745	2-LEVEL THRUST			
N	2.0000000	wl	.2000000	w2	.1800000	w3	.0400000	SF	.1557913	LFr	.8440561		
PRA	1.0400000	PRB	1.1878664	PRC	1.1434275	L	.1846905	min	.1310673	max	.2607738		
Si	2.849558	SAB	2.384778	Sf	3.239099	K	.0536232	z	.0760833	m	.0400000		
n	.1800000	gam	51.05743	b-al	15.026038	the	105.02606	phi	141.05745	2-LEVEL THRUST			
N	2.0000000	wl	.2000000	w2	.1800000	w3	.0500000	SF	.1580563	LFr	.8540831		
PRA	1.0500000	PRB	1.1553781	PRC	1.1500431	L	.1884480	min	.1381724	max	.2578789		
Si	2.849554	SAB	2.438240	Sf	3.239774	K	.0502756	z	.0694309	m	.0500000		
n	.1800000	gam	51.05743	b-al	17.235267	the	107.23529	phi	141.05745	2-LEVEL THRUST			
N	2.0000000	wl	.2000000	w2	.1800000	w3	.0600000	SF	.1609345	LFr	.8649950		
PRA	1.0599402	PRB	1.1247201	PRC	1.1561742	L	.1920586	min	.1448585	max	.2545650		
Si	2.849555	SAB	2.492123	Sf	3.240688	K	.0472000	z	.0625065	m	.0600000		
n	.1800000	gam	51.05743	b-al	19.470873	the	109.47089	phi	141.05745	2-LEVEL THRUST			
N	2.0000000	wl	.2000000	w2	.1800000	w3	.0700000	SF	.1646013	LFr	.8769159		
PRA	1.0695978	PRB	1.0961677	PRC	1.1617041	L	.1955204	min	.1510972	max	.2508037		
Si	2.849557	SAB	2.545799	Sf	3.241878	K	.0444232	z	.0552833	m	.0700000		
n	.1800000	gam	51.05743	b-al	21.738145	the	111.73817	phi	141.05745	2-LEVEL THRUST			

N	2.0000000	w1	.2000000	w2	.1800000	w3	.0800000	SF	.1691656	LFr	.8898935		
PRA	1.0788757	PRB	1.0698186	PRC	1.1665217	L	.1988354	min	.1568737	max	.2465802		
Si	2.849548	SAB	2.598967	Sf	3.243424	K	.0419617	z	.0477448	m	.0800000		
n	.1800000	gam	51.05743	b-al	24.041817	the	114.04184	phi	141.05745	2-LEVEL THRUST			
N	2.0000000	w1	.2000000	w2	.1800000	w3	.0800000	SF	.1691656	LFr	.8374863		
PRA	1.0765104	PRB	1.0524873	PRC	1.278867	L	.1592579	min	.1568737	max	.2465802		
Si	2.532928	SAB	2.409692	Sf	3.243424	K	.0023842	z	.0873223	m	.0800000		
n	.1800000	gam	51.05743	b-al	24.041817	the	114.04184	phi	141.05745	2-LEVEL THRUST			
N	2.0000000	w1	.2000000	w2	.1800000	w3	.0900000	SF	.1747055	LFr	.9039564		
PRA	1.0877716	PRB	1.0456659	PRC	1.1704794	L	.2020073	min	.1621642	max	.2418706		
Si	2.849545	SAB	2.651625	Sf	3.245404	K	.0398431	z	.0398633	m	.0900000		
n	.1800000	gam	51.05743	b-al	26.387580	the	116.38760	phi	141.05745	2-LEVEL THRUST			
N	2.0000000	w1	.2000000	w2	.1800000	w3	.0900000	SF	.1747055	LFr	.8549786		
PRA	1.0847420	PRB	1.0311049	PRC	1.271012	L	.1663895	min	.1621642	max	.2418706		
Si	2.564602	SAB	2.476374	Sf	3.245404	K	.0042253	z	.0754812	m	.0900000		
n	.1800000	gam	51.05743	b-al	26.387580	the	116.38760	phi	141.05745	2-LEVEL THRUST			
N	2.0000000	w1	.2000000	w2	.1800000	w3	.1000000	SF	.1814079	LFr	.9192267		
PRA	1.0963295	PRB	1.0236928	PRC	1.1734045	L	.2050362	min	.1669386	max	.2366450		
Si	2.849544	SAB	2.703894	Sf	3.247933	K	.0380976	z	.0316089	m	.1000000		
n	.1800000	gam	51.05743	b-al	28.782049	the	118.78207	phi	141.05745	2-LEVEL THRUST			
N	2.0000000	w1	.2000000	w2	.1800000	w3	.1000000	SF	.1814079	LFr	.8730507		
PRA	1.0927092	PRB	1.0113488	PRC	1.264346	L	.1726551	min	.1669386	max	.2366450		
Si	2.590495	SAB	2.540037	Sf	3.247933	K	.0057165	z	.0639899	m	.1000000		
n	.1800000	gam	51.05743	b-al	28.782049	the	118.78207	phi	141.05745	2-LEVEL THRUST			
N	2.0000000	w1	.2000000	w2	.1800000	w3	.1100000	SF	.1894236	LFr	.9357958		
PRA	1.1046189	PRB	1.0039001	PRC	1.1750935	L	.2079239	min	.1711627	max	.2308692		
Si	2.849553	SAB	2.755975	Sf	3.251159	K	.0367612	z	.0229453	m	.1100000		
n	.1800000	gam	51.05743	b-al	31.232814	the	121.23283	phi	141.05745	2-LEVEL THRUST			
N	2.0000000	w1	.2000000	w2	.1800000	w3	.1100000	SF	.1894236	LFr	.8919563		
PRA	1.1005490	PRB	.9933985	PRC	1.257898	L	.1782417	min	.1711627	max	.2308692		
Si	2.612096	SAB	2.601773	Sf	3.251159	K	.0070790	z	.0526275	m	.1100000		
n	.1800000	gam	51.05743	b-al	31.232814	the	121.23283	phi	141.05745	2-LEVEL THRUST			
N	2.0000000	w1	.2000000	w2	.1800000	w3	.1200000	SF	.1989307	LFr	.9537706		
PRA	1.1127249	PRB	.9863504	PRC	1.1752893	L	.2106686	min	.1747938	max	.2245002		
Si	2.849559	SAB	2.808101	Sf	3.255283	K	.0358748	z	.0138317	m	.1200000		
n	.1800000	gam	51.05743	b-al	33.748912	the	123.74893	phi	141.05745	2-LEVEL THRUST			
N	2.0000000	w1	.2000000	w2	.1800000	w3	.1200000	SF	.1989307	LFr	.9119043		
PRA	1.1083798	PRB	.9774258	PRC	1.250946	L	.1832676	min	.1747938	max	.2245002		
Si	2.630351	SAB	2.662358	Sf	3.255283	K	.0084738	z	.0412326	m	.1200000		
n	.1800000	gam	51.05743	b-al	33.748912	the	123.74893	phi	141.05745	2-LEVEL THRUST			
N	2.0000000	w1	.2000000	w2	.1800000	w3	.1300000	SF	.2101355	LFr	.9732819		
PRA	1.1207429	PRB	.9711900	PRC	1.1736632	L	.2132683	min	.1777795	max	.2174860		
Si	2.849551	SAB	2.860541	Sf	3.260588	K	.0354888	z	.0042177	m	.1300000		
n	.1800000	gam	51.05743	b-al	36.341171	the	126.34119	phi	141.05745	2-LEVEL THRUST			
N	2.0000000	w1	.2000000	w2	.1800000	w3	.1300000	SF	.2101355	LFr	.9331141		
PRA	1.1163198	PRB	.9636559	PRC	1.2428168	L	.1878262	min	.1777795	max	.2174860		
Si	2.646014	SAB	2.722493	Sf	3.260588	K	.0100467	z	.0296598	m	.1300000		
n	.1800000	gam	51.05743	b-al	36.341171	the	126.34119	phi	141.05745	2-LEVEL THRUST			
N	2.0000000	w1	.2200000	w2	.0400000	w3	.0200000	SF	.0065537	LFr	.7363768		
PRA	1.0200000	PRB	.9999761	PRC	1.435787	L	.1322804	min	.0249568	max	.2449610		
Si	2.849551	SAB	2.457421	Sf	3.141600	K	.1073236	z	.1126806	m	.0200000		
n	.0400000	gam	16.260141	b-al	11.536790	the	101.53681	phi	106.26016				

N	2.0000000	w1	.2200000	w2	.0500000	w3	.0200000	SF	.0089646	LFr	.7444973
PRA	1.0200000	PRB	1.0158675	PRC	1.386979	L	.1340962	min	.0281043	max	.2449610
Si	2.849551	SAB	2.450158	Sf	3.141601	K	.1059918	z	.1108648	m	.0200000
n	.0500000	gam	18.662907	b-al	11.536790	the	101.53681	phi	108.66293		

N	2.0000000	w1	.2200000	w2	.0500000	w3	.0300000	SF	.0102367	LFr	.7531872
PRA	1.0300000	PRB	.9942942	PRC	1.378259	L	.1380921	min	.0358439	max	.2427006
Si	2.849551	SAB	2.502670	Sf	3.141599	K	.1022481	z	.1046086	m	.0300000
n	.0500000	gam	18.662907	b-al	13.886410	the	103.88643	phi	108.66293		

N	2.0000000	w1	.2200000	w2	.0500000	w3	.0300000	SF	.0102367	LFr	.7169056
PRA	1.0395757	PRB	.9910852	PRC	1.477397	L	.0490437	min	.0358439	max	.2427006
Si	2.137164	SAB	2.145569	Sf	3.141599	K	.0131997	z	.1936569	m	.0300000
n	.0500000	gam	18.662907	b-al	13.886410	the	103.88643	phi	108.66293	2-LEVEL THRUST	

N	2.0000000	w1	.2200000	w2	.0600000	w3	.0200000	SF	.0120974	LFr	.7528467
PRA	1.0200000	PRB	1.0329887	PRC	1.340159	L	.1362190	min	.0317170	max	.2449610
Si	2.849551	SAB	2.441666	Sf	3.141608	K	.1045020	z	.1087419	m	.0200000
n	.0600000	gam	21.099817	b-al	11.536790	the	101.53681	phi	111.09984		

N	2.0000000	w1	.2200000	w2	.0600000	w3	.0300000	SF	.0133696	LFr	.7614536
PRA	1.0300000	PRB	1.0091027	PRC	1.334668	L	.1402149	min	.0394567	max	.2427006
Si	2.849551	SAB	2.494178	Sf	3.141606	K	.1007583	z	.1024857	m	.0300000
n	.0600000	gam	21.099817	b-al	13.886410	the	103.88643	phi	111.09984		

N	2.0000000	w1	.2200000	w2	.0600000	w3	.0300000	SF	.0133696	LFr	.7206373
PRA	1.0394482	PRB	1.0061594	PRC	1.461235	L	.0511665	min	.0394567	max	.2427006
Si	2.137164	SAB	2.136805	Sf	3.141606	K	.0117099	z	.1915341	m	.0300000
n	.0600000	gam	21.099817	b-al	13.886410	the	103.88643	phi	111.09984	2-LEVEL THRUST	

N	2.0000000	w1	.2200000	w2	.0600000	w3	.0400000	SF	.0151053	LFr	.7707396
PRA	1.0400000	PRB	.9891298	PRC	1.325280	L	.1440449	min	.0467601	max	.2400041
Si	2.849548	SAB	2.547350	Sf	3.141605	K	.0972848	z	.0959592	m	.0400000
n	.0600000	gam	21.099817	b-al	16.260141	the	106.26016	phi	111.09984		

N	2.0000000	w1	.2200000	w2	.0600000	w3	.0400000	SF	.0151053	LFr	.7344589
PRA	1.0498365	PRB	.9864014	PRC	1.407992	L	.0728073	min	.0467601	max	.2400041
Si	2.279647	SAB	2.262027	Sf	3.141605	K	.0260472	z	.1671968	m	.0400000
n	.0600000	gam	21.099817	b-al	16.260141	the	106.26016	phi	111.09984	2-LEVEL THRUST	

N	2.0000000	w1	.2200000	w2	.0700000	w3	.0200000	SF	.0160761	LFr	.7614737
PRA	1.0200000	PRB	1.0508267	PRC	1.296037	L	.1386814	min	.0358278	max	.2449610
Si	2.849557	SAB	2.431823	Sf	3.141606	K	.1028536	z	.1062796	m	.0200000
n	.0700000	gam	23.577850	b-al	11.536790	the	101.53681	phi	113.57787		

N	2.0000000	w1	.2200000	w2	.0700000	w3	.0300000	SF	.0173483	LFr	.7700148
PRA	1.0300000	PRB	1.0253849	PRC	1.292331	L	.1426773	min	.0435674	max	.2427006
Si	2.849557	SAB	2.484335	Sf	3.141604	K	.0991099	z	.1000233	m	.0300000
n	.0700000	gam	23.577850	b-al	13.886410	the	103.88643	phi	113.57787		

N	2.0000000	w1	.2200000	w2	.0700000	w3	.0300000	SF	.0173483	LFr	.7246618
PRA	1.0392784	PRB	1.0222284	PRC	1.445172	L	.0536270	min	.0435674	max	.2427006
Si	2.137155	SAB	2.126591	Sf	3.141604	K	.0100596	z	.1890736	m	.0300000
n	.0700000	gam	23.577850	b-al	13.886410	the	103.88643	phi	113.57787	2-LEVEL THRUST	

N	2.0000000	w1	.2200000	w2	.0700000	w3	.0400000	SF	.0190840	LFr	.7792502
PRA	1.0400000	PRB	1.0028890	PRC	1.286334	L	.1465073	min	.0508709	max	.2400041
Si	2.849554	SAB	2.537507	Sf	3.141603	K	.0956364	z	.0934968	m	.0400000
n	.0700000	gam	23.577850	b-al	16.260141	the	106.26016	phi	113.57787		

N	2.0000000	w1	.2200000	w2	.0700000	w3	.0400000	SF	.0190840	LFr	.7393398
PRA	1.0497699	PRB	1.0003819	PRC	1.394481	L	.0752678	min	.0508709	max	.2400041
Si	2.279638	SAB	2.252024	Sf	3.141603	K	.0243969	z	.1647363	m	.0400000
n	.0700000	gam	23.577850	b-al	16.260141	the	106.26016	phi	113.57787	2-LEVEL THRUST	

N	2.0000000	wl	.2200000	w2	.0700000	w3	.0500000	SF	.0215254	LFr	.7893486
PRA	1.0500000	PRB	.9844066	PRC	1.276497	L	.1501751	min	.0577233	max	.2368565
Si	2.849551	SAB	2.591328	Sf	3.141604	K	.0924518	z	.0866814	m	.0500000
n	.0700000	gam	23.577850	b-al	18.662906	the	108.66293	phi	113.57787		

N	2.0000000	wl	.2200000	w2	.0700000	w3	.0500000	SF	.0215254	LFr	.7530661
PRA	1.0597851	PRB	.9815284	PRC	1.360071	L	.0908089	min	.0577233	max	.2368565
Si	2.374621	SAB	2.353352	Sf	3.141604	K	.0330856	z	.1460476	m	.0500000
n	.0700000	gam	23.577850	b-al	18.662906	the	108.66293	phi	113.57787	2-LEVEL THRUST	

N	2.0000000	wl	.2200000	w2	.0800000	w3	.0200000	SF	.0210314	LFr	.7704258
PRA	1.0200000	PRB	1.0691771	PRC	1.254750	L	.1415062	min	.0404583	max	.2449610
Si	2.849551	SAB	2.420517	Sf	3.141605	K	.1010479	z	.1034548	m	.0200000
n	.0800000	gam	26.103604	b-al	11.536790	the	101.53681	phi	116.10363		

N	2.0000000	wl	.2200000	w2	.0800000	w3	.0300000	SF	.0223036	LFr	.7789202
PRA	1.0300000	PRB	1.0425314	PRC	1.252137	L	.1455021	min	.0481979	max	.2427006
Si	2.849551	SAB	2.475030	Sf	3.141603	K	.0973042	z	.0971985	m	.0300000
n	.0800000	gam	26.103604	b-al	13.886410	the	103.88643	phi	116.10363		

N	2.0000000	wl	.2200000	w2	.0800000	w3	.0300000	SF	.0223036	LFr	.7290335
PRA	1.0390539	PRB	1.0385666	PRC	1.430358	L	.0564537	min	.0481979	max	.2427006
Si	2.137164	SAB	2.114814	Sf	3.141603	K	.0082558	z	.1862469	m	.0300000
n	.0800000	gam	26.103604	b-al	13.886410	the	103.88643	phi	116.10363	2-LEVEL THRUST	

N	2.0000000	wl	.2200000	w2	.0800000	w3	.0400000	SF	.0240393	LFr	.7881222
PRA	1.0400000	PRB	1.0183416	PRC	1.2480474	L	.1493321	min	.0555014	max	.2400041
Si	2.849547	SAB	2.526202	Sf	3.141602	K	.0938307	z	.0906720	m	.0400000
n	.0800000	gam	26.103604	b-al	16.260141	the	106.26016	phi	116.10363		

N	2.0000000	wl	.2200000	w2	.0800000	w3	.0400000	SF	.0240393	LFr	.7445850
PRA	1.0496777	PRB	1.0156738	PRC	1.380539	L	.0780945	min	.0555014	max	.2400041
Si	2.279647	SAB	2.240517	Sf	3.141602	K	.0225931	z	.1619096	m	.0400000
n	.0800000	gam	26.103604	b-al	16.260141	the	106.26016	phi	116.10363	2-LEVEL THRUST	

N	2.0000000	wl	.2200000	w2	.0800000	w3	.0500000	SF	.0264797	LFr	.7982025
PRA	1.0500000	PRB	.9971515	PRC	1.2416965	L	.1529999	min	.0623538	max	.2368565
Si	2.849544	SAB	2.580023	Sf	3.141603	K	.0906461	z	.0838566	m	.0500000
n	.0800000	gam	26.103604	b-al	18.662906	the	108.66293	phi	116.10363		

N	2.0000000	wl	.2200000	w2	.0800000	w3	.0500000	SF	.0264797	LFr	.7588987
PRA	1.0597066	PRB	.9941683	PRC	1.349363	L	.0936356	min	.0623538	max	.2368565
Si	2.374630	SAB	2.341869	Sf	3.141603	K	.0312818	z	.1432209	m	.0500000
n	.0800000	gam	26.103604	b-al	18.662906	the	108.66293	phi	116.10363	2-LEVEL THRUST	

N	2.0000000	wl	.2200000	w2	.0800000	w3	.0600000	SF	.0295973	LFr	.8598662
PRA	1.0500000	PRB	.9820077	PRC	1.2315814	L	.2277508	min	.0687411	max	.2332438
Si	3.419470	SAB	2.919440	Sf	3.141610	K	.1590097	z	.0054930	m	.0600000
n	.0800000	gam	26.103604	b-al	21.099817	the	111.09984	phi	116.10363		

N	2.0000000	wl	.2200000	w2	.0800000	w3	.0600000	SF	.0295973	LFr	.8090716
PRA	1.0600000	PRB	.9800616	PRC	1.2315814	L	.1565113	min	.0687411	max	.2332438
Si	2.849554	SAB	2.634483	Sf	3.141610	K	.0877702	z	.0767325	m	.0600000
n	.0800000	gam	26.103604	b-al	21.099817	the	111.09984	phi	116.10363		

N	2.0000000	wl	.2200000	w2	.0800000	w3	.0600000	SF	.0295973	LFr	.7727890
PRA	1.0695728	PRB	.9768584	PRC	1.323529	L	.1056252	min	.0687411	max	.2332438
Si	2.442465	SAB	2.429894	Sf	3.141610	K	.0368841	z	.1276186	m	.0600000
n	.0800000	gam	26.103604	b-al	21.099817	the	111.09984	phi	116.10363	2-LEVEL THRUST	

N	2.0000000	wl	.2200000	w2	.0900000	w3	.0200000	SF	.0271082	LFr	.7797623
PRA	1.0200000	PRB	1.0879621	PRC	1.2162388	L	.1447296	min	.0456414	max	.2449610
Si	2.849549	SAB	2.407622	Sf	3.141604	K	.0990882	z	.1002314	m	.0200000
n	.0900000	gam	28.685167	b-al	11.536790	the	101.53681	phi	118.68519		

N	2.0000000	w1	.2200000	w2	.0900000	w3	.0300000	SF	.0283804	LFr	.7882319
PRA	1.0300000	PRB	1.0602897	PRC	1.2143442	L	.1487274	min	.0533810	max	.2427006
Si	2.849564	SAB	2.460142	Sf	3.141602	K	.0953464	z	.0939732	m	.0300000
n	.0900000	gam	28.685167	b-al	13.886410	the	103.88643	phi	118.68519		

N	2.0000000	w1	.2200000	w2	.0900000	w3	.0300000	SF	.0283804	LFr	.7338076
PRA	1.0387584	PRB	1.0548523	PRC	1.417341	L	.0596771	min	.0533810	max	.2427006
Si	2.137162	SAB	2.101287	Sf	3.141602	K	.0062961	z	.1830235	m	.0300000
n	.0900000	gam	28.685167	b-al	13.886410	the	103.88643	phi	118.68519	2-LEVEL THRUST	

N	2.0000000	w1	.2200000	w2	.0900000	w3	.0400000	SF	.0301161	LFr	.7974196
PRA	1.0400000	PRB	1.0347963	PRC	1.2114411	L	.1525555	min	.0606845	max	.2400041
Si	2.849545	SAB	2.513306	Sf	3.141601	K	.0918710	z	.0874486	m	.0400000
n	.0900000	gam	28.685167	b-al	16.260141	the	106.26016	phi	118.68519		

N	2.0000000	w1	.2200000	w2	.0900000	w3	.0400000	SF	.0301161	LFr	.7502537
PRA	1.0495525	PRB	1.0314726	PRC	1.367438	L	.0813179	min	.0606845	max	.2400041
Si	2.279645	SAB	2.227336	Sf	3.141601	K	.0206334	z	.1586862	m	.0400000
n	.0900000	gam	28.685167	b-al	16.260141	the	106.26016	phi	118.68519	2-LEVEL THRUST	

N	2.0000000	w1	.2200000	w2	.0900000	w3	.0500000	SF	.0325575	LFr	.8075028
PRA	1.0500000	PRB	1.0117940	PRC	1.2095127	L	.1562252	min	.0675369	max	.2368565
Si	2.849558	SAB	2.567135	Sf	3.141602	K	.0886883	z	.0806313	m	.0500000
n	.0900000	gam	28.685167	b-al	18.662906	the	108.66293	phi	118.68519	2-LEVEL THRUST	

N	2.0000000	w1	.2200000	w2	.0900000	w3	.0500000	SF	.0325575	LFr	.7651739
PRA	1.0596017	PRB	1.0083611	PRC	1.337880	L	.0968590	min	.0675369	max	.2368565
Si	2.374628	SAB	2.328724	Sf	3.141602	K	.0293221	z	.1399975	m	.0500000
n	.0900000	gam	28.685167	b-al	18.662906	the	108.66293	phi	118.68519	2-LEVEL THRUST	

N	2.0000000	w1	.2200000	w2	.0900000	w3	.0600000	SF	.0356741	LFr	.8728104
PRA	1.0500000	PRB	.9926286	PRC	1.2004987	L	.2309742	min	.0739242	max	.2332438
Si	3.419468	SAB	2.906545	Sf	3.141609	K	.1570500	z	.0022696	m	.0600000
n	.0900000	gam	28.685167	b-al	21.099817	the	111.09984	phi	118.68519		

N	2.0000000	w1	.2200000	w2	.0900000	w3	.0600000	SF	.0356741	LFr	.8183880
PRA	1.0600000	PRB	.9918274	PRC	1.2082359	L	.1597347	min	.0739242	max	.2332438
Si	2.849552	SAB	2.621587	Sf	3.141609	K	.0858105	z	.0735091	m	.0600000
n	.0900000	gam	28.685167	b-al	21.099817	the	111.09984	phi	118.68519	2-LEVEL THRUST	

N	2.0000000	w1	.2200000	w2	.0900000	w3	.0600000	SF	.0356741	LFr	.7795153
PRA	1.0694509	PRB	.9881433	PRC	1.315551	L	.1088505	min	.0739242	max	.2332438
Si	2.442478	SAB	2.416709	Sf	3.141609	K	.0349263	z	.1243933	m	.0600000
n	.0900000	gam	28.685167	b-al	21.099817	the	111.09984	phi	118.68519	2-LEVEL THRUST	

N	2.0000000	w1	.2200000	w2	.0900000	w3	.0700000	SF	.0396528	LFr	.8785706
PRA	1.0600000	PRB	.9779916	PRC	1.1902483	L	.2224522	min	.0798134	max	.2291330
Si	3.324485	SAB	2.914146	Sf	3.141607	K	.1426388	z	.0066808	m	.0700000
n	.0900000	gam	28.685167	b-al	23.577850	the	113.57787	phi	118.68519		

N	2.0000000	w1	.2200000	w2	.0900000	w3	.0700000	SF	.0396528	LFr	.8301945
PRA	1.0700000	PRB	.9760351	PRC	1.2025130	L	.1630860	min	.0798134	max	.2291330
Si	2.849556	SAB	2.676681	Sf	3.141607	K	.0832725	z	.0660471	m	.0700000
n	.0900000	gam	28.685167	b-al	23.577850	the	113.57787	phi	118.68519	2-LEVEL THRUST	

N	2.0000000	w1	.2200000	w2	.0900000	w3	.0700000	SF	.0396528	LFr	.7939119
PRA	1.0791475	PRB	.9724355	PRC	1.294099	L	.1185608	min	.0798134	max	.2291330
Si	2.493354	SAB	2.496454	Sf	3.141607	K	.0387474	z	.1105722	m	.0700000
n	.0900000	gam	28.685167	b-al	23.577850	the	113.57787	phi	118.68519	2-LEVEL THRUST	

N	2.0000000	w1	.2200000	w2	.0900000	w3	.0700000	SF	.0396528	LFr	.7656937
PRA	1.0790960	PRB	.9660581	PRC	1.392181	L	.0839310	min	.0798134	max	.2291330
Si	2.216316	SAB	2.335894	Sf	3.141607	K	.0041176	z	.1452020	m	.0700000
n	.0900000	gam	28.685167	b-al	23.577850	the	113.57787	phi	118.68519	2-LEVEL THRUST	

N	2.0000000	w1	.2200000	w2	.1000000	w3	.0200000	SF	.0344677	LFr	.7895489
PRA	1.0200000	PRB	1.1071663	PRC	1.1857690	L	.1483936	min	.0514176	max	.2449610
Si	2.849559	SAB	2.392976	Sf	3.141603	K	.0969760	z	.0965673	m	.0200000
n	.1000000	gam	31.332067	b-al	11.536790	the	101.53681	phi	121.33209	2-LEVEL THRUST	

N	2.0000000	w1	.2200000	w2	.1000000	w3	.0300000	SF	.0357409	LFr	.7980147
PRA	1.0300000	PRB	1.0785563	PRC	1.1910849	L	.1523895	min	.0591573	max	.2427006
Si	2.849559	SAB	2.445488	Sf	3.141601	K	.0932323	z	.0903111	m	.0300000
n	.1000000	gam	31.332067	b-al	13.886410	the	103.88643	phi	121.33209	2-LEVEL THRUST	

N	2.0000000	w1	.2200000	w2	.1000000	w3	.0300000	SF	.0357409	LFr	.7390556
PRA	1.0383709	PRB	1.0709301	PRC	1.406424	L	.0633392	min	.0591573	max	.2427006
Si	2.137157	SAB	2.085805	Sf	3.141601	K	.0041820	z	.1793614	m	.0300000
n	.1000000	gam	31.332067	b-al	13.886410	the	103.88643	phi	121.33209	2-LEVEL THRUST	

N	2.0000000	w1	.2200000	w2	.1000000	w3	.0400000	SF	.0374756	LFr	.8072128
PRA	1.0400000	PRB	1.0519484	PRC	1.1952239	L	.1562195	min	.0664608	max	.2400041
Si	2.849556	SAB	2.498660	Sf	3.141600	K	.0897588	z	.0837846	m	.0400000
n	.1000000	gam	31.332067	b-al	16.260141	the	106.26016	phi	121.33209	2-LEVEL THRUST	

N	2.0000000	w1	.2200000	w2	.1000000	w3	.0400000	SF	.0374756	LFr	.7564182
PRA	1.0493837	PRB	1.0474265	PRC	1.355764	L	.0849800	min	.0664608	max	.2400041
Si	2.279640	SAB	2.212297	Sf	3.141600	K	.0185193	z	.1550241	m	.0400000
n	.1000000	gam	31.332067	b-al	16.260141	the	106.26016	phi	121.33209	2-LEVEL THRUST	

N	2.0000000	w1	.2200000	w2	.1000000	w3	.0500000	SF	.0399170	LFr	.8173199
PRA	1.0500000	PRB	1.0275296	PRC	1.1978272	L	.1598873	min	.0733131	max	.2368565
Si	2.849553	SAB	2.552481	Sf	3.141601	K	.0865742	z	.0769692	m	.0500000
n	.1000000	gam	31.332067	b-al	18.662906	the	108.66293	phi	121.33209	2-LEVEL THRUST	

N	2.0000000	w1	.2200000	w2	.1000000	w3	.0500000	SF	.0399170	LFr	.7719679
PRA	1.0594625	PRB	1.0232388	PRC	1.326966	L	.1005211	min	.0733131	max	.2368565
Si	2.374623	SAB	2.313739	Sf	3.141601	K	.0272080	z	.1363354	m	.0500000
n	.1000000	gam	31.332067	b-al	18.662906	the	108.66293	phi	121.33209	2-LEVEL THRUST	

N	2.0000000	w1	.2200000	w2	.1000000	w3	.0600000	SF	.0430346	LFr	.8282452
PRA	1.0600000	PRB	1.0056149	PRC	1.1983684	L	.1633968	min	.0797005	max	.2332438
Si	2.849547	SAB	2.606934	Sf	3.141608	K	.0836964	z	.0698470	m	.0600000
n	.1000000	gam	31.332067	b-al	21.099817	the	111.09984	phi	121.33209	2-LEVEL THRUST	

N	2.0000000	w1	.2200000	w2	.1000000	w3	.0600000	SF	.0430346	LFr	.7867804
PRA	1.0692951	PRB	1.0011865	PRC	1.306541	L	.1125126	min	.0797005	max	.2332438
Si	2.442473	SAB	2.401674	Sf	3.141608	K	.0328121	z	.1207312	m	.0600000
n	.1000000	gam	31.332067	b-al	21.099817	the	111.09984	phi	121.33209	2-LEVEL THRUST	

N	2.0000000	w1	.2200000	w2	.1000000	w3	.0700000	SF	.0470123	LFr	.8915081
PRA	1.0600000	PRB	.9879453	PRC	1.1625066	L	.2261143	min	.0855897	max	.2291330
Si	3.324480	SAB	2.899492	Sf	3.141606	K	.1405246	z	.0030187	m	.0700000
n	.1000000	gam	31.332067	b-al	23.577850	the	113.57787	phi	121.33209		

N	2.0000000	w1	.2200000	w2	.1000000	w3	.0700000	SF	.0470123	LFr	.8401089
PRA	1.0700000	PRB	.9867712	PRC	1.1959768	L	.1667481	min	.0855897	max	.2291330
Si	2.849550	SAB	2.662027	Sf	3.141606	K	.0811584	z	.0623850	m	.0700000
n	.1000000	gam	31.332067	b-al	23.577850	the	113.57787	phi	121.33209	2-LEVEL THRUST	

N	2.0000000	w1	.2200000	w2	.1000000	w3	.0700000	SF	.0470123	LFr	.8015604
PRA	1.0789551	PRB	.9824151	PRC	1.288761	L	.1222248	min	.0855897	max	.2291330
Si	2.493364	SAB	2.481329	Sf	3.141606	K	.0366352	z	.1069082	m	.0700000
n	.1000000	gam	31.332067	b-al	23.577850	the	113.57787	phi	121.33209	2-LEVEL THRUST	

N	2.0000000	w1	.2200000	w2	.1000000	w3	.0700000	SF	.0470123	LFr	.7715759
PRA	1.0777752	PRB	.9741747	PRC	1.391051	L	.0875931	min	.0855897	max	.2291330
Si	2.216310	SAB	2.318312	Sf	3.141606	K	.0020034	z	.1415399	m	.0700000
n	.1000000	gam	31.332067	b-al	23.577850	the	113.57787	phi	121.33209	2-LEVEL THRUST	

N	2.0000000	w1	.2200000	w2	.1000000	w3	.0800000	SF	.0519743	LFr	.8996124		
PRA	1.0700000	PRB	.9742305	PRC	1.1522370	L	.2208290	min	.0909592	max	.2245025		
Si	3.256637	SAB	2.921286	Sf	3.141605	K	.1298699	z	.0036735	m	.0800000		
n	.1000000	gam	31.332067	b-al	26.103603	the	116.10363	phi	121.33209				
N	2.0000000	w1	.2200000	w2	.1000000	w3	.0800000	SF	.0519743	LFr	.8529635		
PRA	1.0800015	PRB	.9721641	PRC	1.1890586	L	.1699429	min	.0909592	max	.2245025		
Si	2.849548	SAB	2.717745	Sf	3.141605	K	.0789837	z	.0545596	m	.0800000		
n	.1000000	gam	31.332067	b-al	26.103603	the	116.10363	phi	121.33209	2-LEVEL THRUST			
N	2.0000000	w1	.2200000	w2	.1000000	w3	.0800000	SF	.0519743	LFr	.8166809		
PRA	1.0884498	PRB	.9682594	PRC	1.269648	L	.1303654	min	.0909592	max	.2245025		
Si	2.532928	SAB	2.555504	Sf	3.141605	K	.0394062	z	.0941371	m	.0800000		
n	.1000000	gam	31.332067	b-al	26.103603	the	116.10363	phi	121.33209	2-LEVEL THRUST			
N	2.0000000	w1	.2200000	w2	.1000000	w3	.0800000	SF	.0519743	LFr	.7876558		
PRA	1.0884624	PRB	.9625025	PRC	1.356336	L	.0987034	min	.0909592	max	.2245025		
Si	2.279632	SAB	2.406481	Sf	3.141605	K	.0077443	z	.1257991	m	.0800000		
n	.1000000	gam	31.332067	b-al	26.103603	the	116.10363	phi	121.33209	2-LEVEL THRUST			
N	2.0000000	w1	.2200000	w2	.1100000	w3	.0200000	SF	.0432987	LFr	.7998705		
PRA	1.0200000	PRB	1.1267538	PRC	1.1732995	L	.1525440	min	.0578367	max	.2449610		
Si	2.849550	SAB	2.376365	Sf	3.141602	K	.0947074	z	.0924170	m	.0200000		
n	.1100000	gam	34.055671	b-al	11.536790	the	101.53681	phi	124.05569	2-LEVEL THRUST			
N	2.0000000	w1	.2200000	w2	.1100000	w3	.0300000	SF	.0445719	LFr	.8083572		
PRA	1.0300000	PRB	1.0972131	PRC	1.1788384	L	.1565399	min	.0655763	max	.2427006		
Si	2.849550	SAB	2.428878	Sf	3.141600	K	.0909636	z	.0861607	m	.0300000		
n	.1100000	gam	34.055671	b-al	13.886410	the	103.88643	phi	124.05569	2-LEVEL THRUST			
N	2.0000000	w1	.2200000	w2	.1100000	w3	.0300000	SF	.0445719	LFr	.7448645		
PRA	1.0378641	PRB	1.0867076	PRC	1.397857	L	.0674915	min	.0655763	max	.2427006		
Si	2.137163	SAB	2.068119	Sf	3.141600	K	.0019152	z	.1752091	m	.0300000		
n	.1100000	gam	34.055671	b-al	13.886410	the	103.88643	phi	124.05569	2-LEVEL THRUST			
N	2.0000000	w1	.2200000	w2	.1100000	w3	.0400000	SF	.0463066	LFr	.8175888		
PRA	1.0400000	PRB	1.0695602	PRC	1.1834095	L	.1603699	min	.0728798	max	.2400041		
Si	2.849547	SAB	2.482050	Sf	3.141599	K	.0874901	z	.0796342	m	.0400000		
n	.1100000	gam	34.055671	b-al	16.260141	the	106.26016	phi	124.05569	2-LEVEL THRUST			
N	2.0000000	w1	.2200000	w2	.1100000	w3	.0400000	SF	.0463066	LFr	.7631674		
PRA	1.0491580	PRB	1.0633576	PRC	1.345865	L	.0891323	min	.0728798	max	.2400041		
Si	2.279646	SAB	2.195180	Sf	3.141599	K	.0162525	z	.1508718	m	.0400000		
n	.1100000	gam	34.055671	b-al	16.260141	the	106.26016	phi	124.05569	2-LEVEL THRUST			
N	2.0000000	w1	.2200000	w2	.1100000	w3	.0500000	SF	.0487480	LFr	.8277445		
PRA	1.0500000	PRB	1.0439153	PRC	1.1867480	L	.1640377	min	.0797322	max	.2368565		
Si	2.849544	SAB	2.535871	Sf	3.141600	K	.0843055	z	.0728188	m	.0500000		
n	.1100000	gam	34.055671	b-al	18.662906	the	108.66293	phi	124.05569	2-LEVEL THRUST			
N	2.0000000	w1	.2200000	w2	.1100000	w3	.0500000	SF	.0487480	LFr	.7793703		
PRA	1.0592790	PRB	1.0384135	PRC	1.317274	L	.1046734	min	.0797322	max	.2368565		
Si	2.374629	SAB	2.296701	Sf	3.141600	K	.0249412	z	.1321831	m	.0500000		
n	.1100000	gam	34.055671	b-al	18.662906	the	108.66293	phi	124.05569	2-LEVEL THRUST			
N	2.0000000	w1	.2200000	w2	.1100000	w3	.0600000	SF	.0518656	LFr	.8387365		
PRA	1.0600000	PRB	1.0204742	PRC	1.1884874	L	.1675491	min	.0861195	max	.2332438		
Si	2.849554	SAB	2.590331	Sf	3.141607	K	.0814296	z	.0656947	m	.0600000		
n	.1100000	gam	34.055671	b-al	21.099817	the	111.09984	phi	124.05569	2-LEVEL THRUST			
N	2.0000000	w1	.2200000	w2	.1100000	w3	.0600000	SF	.0518656	LFr	.7946787		
PRA	1.0690963	PRB	1.0150574	PRC	1.297925	L	.1166630	min	.0861195	max	.2332438		
Si	2.442464	SAB	2.384578	Sf	3.141607	K	.0305435	z	.1165808	m	.0600000		
n	.1100000	gam	34.055671	b-al	21.099817	the	111.09984	phi	124.05569	2-LEVEL THRUST			

N	2.0000000	w1	.2200000	w2	.1100000	w3	.0700000	SF	.0558434	LFr	.8506823		
PRA	1.0700000	PRB	.9995589	PRC	1.1880857	L	.1709004	min	.0920087	max	.2291330		
Si	2.849557	SAB	2.645425	Sf	3.141605	K	.0788916	z	.0582327	m	.0700000		
n	.1100000	gam	34.055671	b-al	23.577850	the	113.57787	phi	124.05569	2-LEVEL THRUST			
N	2.0000000	w1	.2200000	w2	.1100000	w3	.0700000	SF	.0558434	LFr	.8098650		
PRA	1.0787171	PRB	.9943227	PRC	1.282217	L	.1263752	min	.0920087	max	.2291330		
Si	2.493355	SAB	2.464125	Sf	3.141605	K	.0343665	z	.1027578	m	.0700000		
n	.1100000	gam	34.055671	b-al	23.577850	the	113.57787	phi	124.05569	2-LEVEL THRUST			
N	2.0000000	w1	.2200000	w2	.1100000	w3	.0800000	SF	.0608053	LFr	.8636389		
PRA	1.0800007	PRB	.9817544	PRC	1.1846809	L	.1740952	min	.0973782	max	.2245025		
Si	2.849555	SAB	2.701140	Sf	3.141603	K	.0767170	z	.0504073	m	.0800000		
n	.1100000	gam	34.055671	b-al	26.103603	the	116.10363	phi	124.05569	2-LEVEL THRUST			
N	2.0000000	w1	.2200000	w2	.1100000	w3	.0800000	SF	.0608053	LFr	.8253412		
PRA	1.0881603	PRB	.9769865	PRC	1.266900	L	.1345177	min	.0973782	max	.2245025		
Si	2.532935	SAB	2.538168	Sf	3.141603	K	.0371395	z	.0899848	m	.0800000		
n	.1100000	gam	34.055671	b-al	26.103603	the	116.10363	phi	124.05569	2-LEVEL THRUST			
N	2.0000000	w1	.2200000	w2	.1100000	w3	.0800000	SF	.0608053	LFr	.7947025		
PRA	1.0870996	PRB	.9696117	PRC	1.357509	L	.1028557	min	.0973782	max	.2245025		
Si	2.279639	SAB	2.386772	Sf	3.141603	K	.0054775	z	.1216468	m	.0800000		
n	.1100000	gam	34.055671	b-al	26.103603	the	116.10363	phi	124.05569	2-LEVEL THRUST			
N	2.0000000	w1	.2200000	w2	.1100000	w3	.0900000	SF	.0668583	LFr	.8776388		
PRA	1.0899455	PRB	.9683142	PRC	1.1766536	L	.1771355	min	.1021953	max	.2193196		
Si	2.849552	SAB	2.757315	Sf	3.141603	K	.0749402	z	.0421841	m	.0900000		
n	.1100000	gam	34.055671	b-al	28.685166	the	118.68519	phi	124.05569	2-LEVEL THRUST			
N	2.0000000	w1	.2200000	w2	.1100000	w3	.0900000	SF	.0668583	LFr	.8413572		
PRA	1.0974406	PRB	.9643116	PRC	1.2489792	L	.1415157	min	.1021953	max	.2193196		
Si	2.564594	SAB	2.608427	Sf	3.141603	K	.0393204	z	.0778039	m	.0900000		
n	.1100000	gam	34.055671	b-al	28.685166	the	118.68519	phi	124.05569	2-LEVEL THRUST			
N	2.0000000	w1	.2200000	w2	.1100000	w3	.0900000	SF	.0668583	LFr	.8116732		
PRA	1.0971232	PRB	.9589920	PRC	1.327153	L	.1123734	min	.1021953	max	.2193196		
Si	2.331455	SAB	2.468400	Sf	3.141603	K	.0101781	z	.1069462	m	.0900000		
n	.1100000	gam	34.055671	b-al	28.685166	the	118.68519	phi	124.05569	2-LEVEL THRUST			
N	2.0000000	w1	.2200000	w2	.1200000	w3	.0200000	SF	.0538254	LFr	.8108349		
PRA	1.0200000	PRB	1.1466535	PRC	1.1621337	L	.1572456	min	.0649603	max	.2449610		
Si	2.849553	SAB	2.357561	Sf	3.141603	K	.0922853	z	.0877153	m	.0200000		
n	.1200000	gam	36.869821	b-al	11.536790	the	101.53681	phi	126.86984	2-LEVEL THRUST			
N	2.0000000	w1	.2200000	w2	.1200000	w3	.0300000	SF	.0550985	LFr	.8193684		
PRA	1.0300000	PRB	1.1161614	PRC	1.1678681	L	.1612415	min	.0726999	max	.2427006		
Si	2.849553	SAB	2.410073	Sf	3.141601	K	.0885416	z	.0814591	m	.0300000		
n	.1200000	gam	36.869821	b-al	13.886410	the	103.88643	phi	126.86984	2-LEVEL THRUST			
N	2.0000000	w1	.2200000	w2	.1200000	w3	.0400000	SF	.0568333	LFr	.8286638		
PRA	1.0400000	PRB	1.0874900	PRC	1.1727838	L	.1650715	min	.0800034	max	.2400041		
Si	2.849549	SAB	2.463245	Sf	3.141600	K	.0850681	z	.0749326	m	.0400000		
n	.1200000	gam	36.869821	b-al	16.260141	the	106.26016	phi	126.86984	2-LEVEL THRUST			
N	2.0000000	w1	.2200000	w2	.1200000	w3	.0400000	SF	.0568333	LFr	.7706127		
PRA	1.0488586	PRB	1.0791744	PRC	1.338022	L	.0938320	min	.0800034	max	.2400041		
Si	2.279633	SAB	2.175685	Sf	3.141600	K	.0138286	z	.1461721	m	.0400000		
n	.1200000	gam	36.869821	b-al	16.260141	the	106.26016	phi	126.86984	2-LEVEL THRUST			
N	2.0000000	w1	.2200000	w2	.1200000	w3	.0500000	SF	.0592747	LFr	.8388968		
PRA	1.0500000	PRB	1.0607172	PRC	1.1766755	L	.1687393	min	.0868558	max	.2368565		
Si	2.849546	SAB	2.517067	Sf	3.141601	K	.0818835	z	.0681171	m	.0500000		
n	.1200000	gam	36.869821	b-al	18.662906	the	108.66293	phi	126.86984	2-LEVEL THRUST			

N	2.0000000	w1	.2200000	w2	.1200000	w3	.0500000	SF	.0592747	LFr	.7874994		
PRA	1.0590392	PRB	1.0536927	PRC	1.309217	L	.1093750	min	.0868558	max	.2368565		
Si	2.374631	SAB	2.277328	Sf	3.141601	K	.0225192	z	.1274815	m	.0500000		
n	.1200000	gam	36.869821	b-al	18.662906	the	108.66293	phi	126.86984	2-LEVEL THRUST			
N	2.0000000	w1	.2200000	w2	.1200000	w3	.0600000	SF	.0623922	LFr	.8499813		
PRA	1.0600000	PRB	1.0359670	PRC	1.1792749	L	.1722508	min	.0932431	max	.2332438		
Si	2.849556	SAB	2.571526	Sf	3.141608	K	.0790076	z	.0609931	m	.0600000		
n	.1200000	gam	36.869821	b-al	21.099817	the	111.09984	phi	126.86984	2-LEVEL THRUST			
N	2.0000000	w1	.2200000	w2	.1200000	w3	.0600000	SF	.0623922	LFr	.8033323		
PRA	1.0688436	PRB	1.0293400	PRC	1.290427	L	.1213646	min	.0932431	max	.2332438		
Si	2.442467	SAB	2.365156	Sf	3.141608	K	.0281215	z	.1118792	m	.0600000		
n	.1200000	gam	36.869821	b-al	21.099817	the	111.09984	phi	126.86984	2-LEVEL THRUST			
N	2.0000000	w1	.2200000	w2	.1200000	w3	.0700000	SF	.0663700	LFr	.8620358		
PRA	1.0700000	PRB	1.0134393	PRC	1.1802063	L	.1756001	min	.0991323	max	.2291330		
Si	2.849544	SAB	2.626613	Sf	3.141606	K	.0764677	z	.0535329	m	.0700000		
n	.1200000	gam	36.869821	b-al	23.577850	the	113.57787	phi	126.86984	2-LEVEL THRUST			
N	2.0000000	w1	.2200000	w2	.1200000	w3	.0700000	SF	.0663700	LFr	.8189526		
PRA	1.0784229	PRB	1.0071836	PRC	1.275962	L	.1310768	min	.0991323	max	.2291330		
Si	2.493358	SAB	2.444587	Sf	3.141606	K	.0319445	z	.0980562	m	.0700000		
n	.1200000	gam	36.869821	b-al	23.577850	the	113.57787	phi	126.86984	2-LEVEL THRUST			
N	2.0000000	w1	.2200000	w2	.1200000	w3	.0800000	SF	.0713320	LFr	.8751221		
PRA	1.0799977	PRB	.9934716	PRC	1.1789196	L	.1787968	min	.1045018	max	.2245025		
Si	2.849557	SAB	2.682328	Sf	3.141605	K	.0742950	z	.0457057	m	.0800000		
n	.1200000	gam	36.869821	b-al	26.103603	the	116.10363	phi	126.86984	2-LEVEL THRUST			
N	2.0000000	w1	.2200000	w2	.1200000	w3	.0800000	SF	.0713320	LFr	.8348093		
PRA	1.0878104	PRB	.9877974	PRC	1.262832	L	.1392193	min	.1045018	max	.2245025		
Si	2.532937	SAB	2.518478	Sf	3.141605	K	.0347175	z	.0852832	m	.0800000		
n	.1200000	gam	36.869821	b-al	26.103603	the	116.10363	phi	126.86984	2-LEVEL THRUST			
N	2.0000000	w1	.2200000	w2	.1200000	w3	.0800000	SF	.0713320	LFr	.8025589		
PRA	1.0854888	PRB	.9787896	PRC	1.357564	L	.1075573	min	.1045018	max	.2245025		
Si	2.279641	SAB	2.364296	Sf	3.141605	K	.0030555	z	.1169452	m	.0800000		
n	.1200000	gam	36.869821	b-al	26.103603	the	116.10363	phi	126.86984	2-LEVEL THRUST			
N	2.0000000	w1	.2200000	w2	.1200000	w3	.0900000	SF	.0773850	LFr	.8892727		
PRA	1.0899138	PRB	.9767449	PRC	1.1745466	L	.1818371	min	.1093189	max	.2193196		
Si	2.849554	SAB	2.738420	Sf	3.141604	K	.0725182	z	.0374825	m	.0900000		
n	.1200000	gam	36.869821	b-al	28.685166	the	118.68519	phi	126.86984	2-LEVEL THRUST			
N	2.0000000	w1	.2200000	w2	.1200000	w3	.0900000	SF	.0773850	LFr	.8511763		
PRA	1.0970285	PRB	.9718451	PRC	1.2488065	L	.1462174	min	.1093189	max	.2193196		
Si	2.564596	SAB	2.588566	Sf	3.141604	K	.0368984	z	.0731022	m	.0900000		
n	.1200000	gam	36.869821	b-al	28.685166	the	118.68519	phi	126.86984	2-LEVEL THRUST			
N	2.0000000	w1	.2200000	w2	.1200000	w3	.0900000	SF	.0773850	LFr	.8200083		
PRA	1.0956440	PRB	.9650684	PRC	1.330794	L	.1170750	min	.1093189	max	.2193196		
Si	2.331457	SAB	2.446147	Sf	3.141604	K	.0077561	z	.1022446	m	.0900000		
n	.1200000	gam	36.869821	b-al	28.685166	the	118.68519	phi	126.86984	2-LEVEL THRUST			
N	2.0000000	w1	.2200000	w2	.1200000	w3	.1000000	SF	.0847340	LFr	.9046173		
PRA	1.0996627	PRB	.9645559	PRC	1.1654571	L	.1847229	min	.1135425	max	.2135432		
Si	2.849549	SAB	2.794651	Sf	3.141603	K	.0711804	z	.0288203	m	.1000000		
n	.1200000	gam	36.869821	b-al	31.332087	the	121.33211	phi	126.86984	2-LEVEL THRUST			
N	2.0000000	w1	.2200000	w2	.1200000	w3	.1000000	SF	.0847340	LFr	.8683357		
PRA	1.1061088	PRB	.9605704	PRC	1.2313816	L	.1523419	min	.1135425	max	.2135432		
Si	2.590500	SAB	2.656008	Sf	3.141603	K	.0387993	z	.0612013	m	.1000000		
n	.1200000	gam	36.869821	b-al	31.332087	the	121.33211	phi	126.86984	2-LEVEL THRUST			

N	2.0000000	w1	.2200000	w2	.1200000	w3	.1000000	SF	.0847340	LFr	.8380995		
PRA	1.1052946	PRB	.9555804	PRC	1.302950	L	.1253567	min	.1135427	max	.2135433		
Si	2.374619	SAB	2.523226	Sf	3.141603	K	.0118140	z	.0881867	m	.1000000		
n	.1200000	gam	36.869821	b-al	31.332067	the	121.33209	phi	126.86984	2-LEVEL THRUST			
N	2.0000000	w1	.2200000	w2	.1300000	w3	.0200000	SF	.0663166	LFr	.8225594		
PRA	1.0200000	PRB	1.1668492	PRC	1.1524387	L	.1625729	min	.0728669	max	.2449610		
Si	2.849546	SAB	2.336246	Sf	3.141601	K	.0897060	z	.0823881	m	.0200000		
n	.1300000	gam	39.791782	b-al	11.536790	the	101.53681	phi	129.79180	2-LEVEL THRUST			
N	2.0000000	w1	.2200000	w2	.1300000	w3	.0300000	SF	.0675888	LFr	.8311768		
PRA	1.0300000	PRB	1.1353680	PRC	1.1583524	L	.1665707	min	.0806066	max	.2427006		
Si	2.849561	SAB	2.388765	Sf	3.141600	K	.0859641	z	.0761299	m	.0300000		
n	.1300000	gam	39.791782	b-al	13.886410	the	103.88643	phi	129.79180	2-LEVEL THRUST			
N	2.0000000	w1	.2200000	w2	.1300000	w3	.0400000	SF	.0693245	LFr	.8405676		
PRA	1.0400000	PRB	1.1056745	PRC	1.1635601	L	.1704006	min	.0879100	max	.2400041		
Si	2.849558	SAB	2.441938	Sf	3.141598	K	.0824906	z	.0696035	m	.0400000		
n	.1300000	gam	39.791782	b-al	16.260141	the	106.26016	phi	129.79180	2-LEVEL THRUST			
N	2.0000000	w1	.2200000	w2	.1300000	w3	.0400000	SF	.0693245	LFr	.7788878		
PRA	1.0484638	PRB	1.0948308	PRC	1.332488	L	.0991612	min	.0879100	max	.2400041		
Si	2.279642	SAB	2.153477	Sf	3.141598	K	.0112511	z	.1408429	m	.0400000		
n	.1300000	gam	39.791782	b-al	16.260141	the	106.26016	phi	129.79180	2-LEVEL THRUST			
N	2.0000000	w1	.2200000	w2	.1300000	w3	.0500000	SF	.0717659	LFr	.8509092		
PRA	1.0500000	PRB	1.0778153	PRC	1.1678952	L	.1740685	min	.0947624	max	.2368565		
Si	2.849555	SAB	2.495759	Sf	3.141600	K	.0793061	z	.0627880	m	.0500000		
n	.1300000	gam	39.791782	b-al	18.662906	the	108.66293	phi	129.79180	2-LEVEL THRUST			
N	2.0000000	w1	.2200000	w2	.1300000	w3	.0500000	SF	.0717659	LFr	.7964869		
PRA	1.0587275	PRB	1.0689719	PRC	1.303124	L	.1147022	min	.0947624	max	.2368565		
Si	2.374625	SAB	2.255272	Sf	3.141600	K	.0199398	z	.1221542	m	.0500000		
n	.1300000	gam	39.791782	b-al	18.662906	the	108.66293	phi	129.79180	2-LEVEL THRUST			
N	2.0000000	w1	.2200000	w2	.1300000	w3	.0600000	SF	.0748825	LFr	.8621168		
PRA	1.0600000	PRB	1.0518727	PRC	1.1711498	L	.1775780	min	.1011498	max	.2332438		
Si	2.849549	SAB	2.550211	Sf	3.141606	K	.0764282	z	.0556658	m	.0600000		
n	.1300000	gam	39.791782	b-al	21.099817	the	111.09984	phi	129.79180	2-LEVEL THRUST			
N	2.0000000	w1	.2200000	w2	.1300000	w3	.0600000	SF	.0748825	LFr	.8128786		
PRA	1.0685235	PRB	1.0438230	PRC	1.284518	L	.1266937	min	.1011498	max	.2332438		
Si	2.442475	SAB	2.343067	Sf	3.141606	K	.0255440	z	.1065501	m	.0600000		
n	.1300000	gam	39.791782	b-al	21.099817	the	111.09984	phi	129.79180	2-LEVEL THRUST			
N	2.0000000	w1	.2200000	w2	.1300000	w3	.0700000	SF	.0788612	LFr	.8743153		
PRA	1.0700000	PRB	1.0279735	PRC	1.1730352	L	.1809292	min	.1070390	max	.2291330		
Si	2.849552	SAB	2.605305	Sf	3.141604	K	.0738903	z	.0482038	m	.0700000		
n	.1300000	gam	39.791782	b-al	23.577850	the	113.57787	phi	129.79180	2-LEVEL THRUST			
N	2.0000000	w1	.2200000	w2	.1300000	w3	.0700000	SF	.0788612	LFr	.8289623		
PRA	1.0780599	PRB	1.0205539	PRC	1.270796	L	.1364041	min	.1070390	max	.2291330		
Si	2.493351	SAB	2.422366	Sf	3.141604	K	.0293651	z	.0927290	m	.0700000		
n	.1300000	gam	39.791782	b-al	23.577850	the	113.57787	phi	129.79180	2-LEVEL THRUST			
N	2.0000000	w1	.2200000	w2	.1300000	w3	.0800000	SF	.0838232	LFr	.8875609		
PRA	1.0799905	PRB	1.0063357	PRC	1.1731810	L	.1841240	min	.1124084	max	.2245025		
Si	2.849550	SAB	2.660991	Sf	3.141603	K	.0717156	z	.0403785	m	.0800000		
n	.1300000	gam	39.791782	b-al	26.103603	the	116.10363	phi	129.79180	2-LEVEL THRUST			
N	2.0000000	w1	.2200000	w2	.1300000	w3	.0800000	SF	.0838232	LFr	.8452320		
PRA	1.0873876	PRB	.9996742	PRC	1.259019	L	.1445465	min	.1124084	max	.2245025		
Si	2.532930	SAB	2.496091	Sf	3.141603	K	.0321381	z	.0799560	m	.0800000		
n	.1300000	gam	39.791782	b-al	26.103603	the	116.10363	phi	129.79180	2-LEVEL THRUST			

N	2.0000000	w1	.2200000	w2	.1400000	w3	.0400000	SF	.0841046	LFr	.7881661
PRA	1.0479456	PRB	1.1103039	PRC	1.329596	L	.1052132	min	.0966989	max	.2400041
Si	2.279643	SAB	2.128089	Sf	3.141604	K	.0085142	z	.1347909	m	.0400000
n	.1400000	gam	42.843321	b-al	16.260141	the	106.26016	phi	132.84334	2-LEVEL THRUST	

N	2.0000000	w1	.2200000	w2	.1400000	w3	.0500000	SF	.0865450	LFr	.8639622
PRA	1.0500000	PRB	1.0951647	PRC	1.1606532	L	.1801205	min	.1035513	max	.2368565
Si	2.849556	SAB	2.471552	Sf	3.141606	K	.0765692	z	.0567360	m	.0500000
n	.1400000	gam	42.843321	b-al	18.662906	the	108.66293	phi	132.84334	2-LEVEL THRUST	

N	2.0000000	w1	.2200000	w2	.1400000	w3	.0500000	SF	.0865450	LFr	.8065157
PRA	1.0583240	PRB	1.0842050	PRC	1.299316	L	.1207543	min	.1035513	max	.2368565
Si	2.374626	SAB	2.230107	Sf	3.141606	K	.0172029	z	.1161022	m	.0500000
n	.1400000	gam	42.843321	b-al	18.662906	the	108.66293	phi	132.84334	2-LEVEL THRUST	

N	2.0000000	w1	.2200000	w2	.1400000	w3	.0600000	SF	.0896626	LFr	.8753309
PRA	1.0600000	PRB	1.0680819	PRC	1.1644316	L	.1836300	min	.1099387	max	.2332438
Si	2.849550	SAB	2.526004	Sf	3.141612	K	.0736914	z	.0496138	m	.0600000
n	.1400000	gam	42.843321	b-al	21.099817	the	111.09984	phi	132.84334	2-LEVEL THRUST	

N	2.0000000	w1	.2200000	w2	.1400000	w3	.0600000	SF	.0896626	LFr	.8235006
PRA	1.0681194	PRB	1.0583953	PRC	1.280604	L	.1327458	min	.1099387	max	.2332438
Si	2.442476	SAB	2.317874	Sf	3.141612	K	.0228071	z	.1004981	m	.0600000
n	.1400000	gam	42.843321	b-al	21.099817	the	111.09984	phi	132.84334	2-LEVEL THRUST	

N	2.0000000	w1	.2200000	w2	.1400000	w3	.0700000	SF	.0936403	LFr	.8877087
PRA	1.0700000	PRB	1.0429373	PRC	1.1670505	L	.1869812	min	.1158279	max	.2291330
Si	2.849553	SAB	2.581098	Sf	3.141610	K	.0711534	z	.0421518	m	.0700000
n	.1400000	gam	42.843321	b-al	23.577850	the	113.57787	phi	132.84334	2-LEVEL THRUST	

N	2.0000000	w1	.2200000	w2	.1400000	w3	.0700000	SF	.0936403	LFr	.8400879
PRA	1.0776120	PRB	1.0342053	PRC	1.267272	L	.1424561	min	.1158279	max	.2291330
Si	2.493352	SAB	2.397042	Sf	3.141610	K	.0266282	z	.0866769	m	.0700000
n	.1400000	gam	42.843321	b-al	23.577850	the	113.57787	phi	132.84334	2-LEVEL THRUST	

N	2.0000000	w1	.2200000	w2	.1400000	w3	.0800000	SF	.0986023	LFr	.9011517
PRA	1.0799754	PRB	1.0198918	PRC	1.1682358	L	.1901760	min	.1211973	max	.2245025
Si	2.849551	SAB	2.636741	Sf	3.141609	K	.0689787	z	.0343265	m	.0800000
n	.1400000	gam	42.843321	b-al	26.103603	the	116.10363	phi	132.84334	2-LEVEL THRUST	

N	2.0000000	w1	.2200000	w2	.1400000	w3	.0800000	SF	.0986023	LFr	.8568068
PRA	1.0868762	PRB	1.0121429	PRC	1.256348	L	.1505985	min	.1211973	max	.2245025
Si	2.532931	SAB	2.470589	Sf	3.141609	K	.0294012	z	.0739040	m	.0800000
n	.1400000	gam	42.843321	b-al	26.103603	the	116.10363	phi	132.84334	2-LEVEL THRUST	

N	2.0000000	w1	.2200000	w2	.1400000	w3	.0900000	SF	.1046553	LFr	.9157000
PRA	1.0898058	PRB	.9992820	PRC	1.1675993	L	.1932163	min	.1260145	max	.2193196
Si	2.849549	SAB	2.692590	Sf	3.141608	K	.0672019	z	.0261033	m	.0900000
n	.1400000	gam	42.843321	b-al	28.685166	the	118.68519	phi	132.84334	2-LEVEL THRUST	

N	2.0000000	w1	.2200000	w2	.1400000	w3	.0900000	SF	.1046553	LFr	.8739758
PRA	1.0959546	PRB	.9925263	PRC	1.2460255	L	.1575966	min	.1260145	max	.2193196
Si	2.564591	SAB	2.540289	Sf	3.141608	K	.0315822	z	.0617230	m	.0900000
n	.1400000	gam	42.843321	b-al	28.685166	the	118.68519	phi	132.84334	2-LEVEL THRUST	

N	2.0000000	w1	.2200000	w2	.1400000	w3	.0900000	SF	.1046553	LFr	.8398390
PRA	1.0918503	PRB	.9827435	PRC	1.336567	L	.1284542	min	.1260145	max	.2193196
Si	2.331452	SAB	2.391779	Sf	3.141608	K	.0024398	z	.0908654	m	.0900000
n	.1400000	gam	42.843321	b-al	28.685166	the	118.68519	phi	132.84334	2-LEVEL THRUST	

N	2.0000000	w1	.2200000	w2	.1400000	w3	.1000000	SF	.1120043	LFr	.9314909
PRA	1.0994329	PRB	.9815010	PRC	1.1645768	L	.1961041	min	.1302381	max	.2135432
Si	2.849559	SAB	2.748483	Sf	3.141607	K	.0658660	z	.0174391	m	.1000000
n	.1400000	gam	42.843321	b-al	31.332087	the	121.33211	phi	132.84334	2-LEVEL THRUST	

N	2.0000000	wl	.2200000	w2	.1400000	w3	.1000000	SF	.1120043	LFr	.8919096
PRA	1.1048921	PRB	.9757189	PRC	1.2348967	L	.1637211	min	.1302381	max	.2135432
Si	2.590495	SAB	2.607333	Sf	3.141607	K	.0334830	z	.0498221	m	.1000000
n	.1400000	gam	42.843321	b-al	31.332087	the	121.33211	phi	132.84334	2-LEVEL THRUST	
N	2.0000000	wl	.2200000	w2	.1400000	w3	.1000000	SF	.1120043	LFr	.8589277
PRA	1.1017252	PRB	.9680423	PRC	1.314301	L	.1367378	min	.1302381	max	.2135432
Si	2.374629	SAB	2.469237	Sf	3.141607	K	.0064998	z	.0768054	m	.1000000
n	.1400000	gam	42.843321	b-al	31.332087	the	121.33211	phi	132.84334	2-LEVEL THRUST	
N	2.0000000	wl	.2200000	w2	.1400000	w3	.1100000	SF	.1208334	LFr	.9486323
PRA	1.1088613	PRB	.9671513	PRC	1.1582845	L	.1988354	min	.1338192	max	.2071243
Si	2.849549	SAB	2.804414	Sf	3.141606	K	.0650162	z	.0082889	m	.1100000
n	.1400000	gam	42.843321	b-al	34.055671	the	124.05569	phi	132.84334	2-LEVEL THRUST	
N	2.0000000	wl	.2200000	w2	.1400000	w3	.1100000	SF	.1208334	LFr	.9108391
PRA	1.1137413	PRB	.9623308	PRC	1.2215079	L	.1691532	min	.1338192	max	.2071243
Si	2.612092	SAB	2.672582	Sf	3.141606	K	.0353341	z	.0379711	m	.1100000
n	.1400000	gam	42.843321	b-al	34.055671	the	124.05569	phi	132.84334	2-LEVEL THRUST	
N	2.0000000	wl	.2200000	w2	.1400000	w3	.1100000	SF	.1208334	LFr	.8788605
PRA	1.1112706	PRB	.9563432	PRC	1.291633	L	.1440373	min	.1338192	max	.2071243
Si	2.411164	SAB	2.543307	Sf	3.141606	K	.0102181	z	.0630870	m	.1100000
n	.1400000	gam	42.843321	b-al	34.055671	the	124.05569	phi	132.84334	2-LEVEL THRUST	
N	2.0000000	wl	.2200000	w2	.1400000	w3	.1200000	SF	.1313639	LFr	.9309807
PRA	1.1225649	PRB	.9536352	PRC	1.2037731	L	.1740131	min	.1366955	max	.2000006
Si	2.630350	SAB	2.736686	Sf	3.141607	K	.0373177	z	.0259875	m	.1200000
n	.1400000	gam	42.843321	b-al	36.869821	the	126.86984	phi	132.84334	2-LEVEL THRUST	
N	2.0000000	wl	.2200000	w2	.1400000	w3	.1200000	SF	.1313639	LFr	.8998823
PRA	1.1207012	PRB	.9491262	PRC	1.265694	L	.1505280	min	.1366955	max	.2000006
Si	2.442468	SAB	2.615166	Sf	3.141607	K	.0138325	z	.0494727	m	.1200000
n	.1400000	gam	42.843321	b-al	36.869821	the	126.86984	phi	132.84334	2-LEVEL THRUST	
N	2.0000000	wl	.2200000	w2	.1500000	w3	.0200000	SF	.0985918	LFr	.8490248
PRA	1.0200000	PRB	1.2083071	PRC	1.1381576	L	.1755352	min	.0914658	max	.2449610
Si	2.849549	SAB	2.284399	Sf	3.141606	K	.0840694	z	.0694258	m	.0200000
n	.1500000	gam	46.054220	b-al	11.536790	the	101.53681	phi	136.05424	2-LEVEL THRUST	
N	2.0000000	wl	.2200000	w2	.1500000	w3	.0300000	SF	.0998640	LFr	.8579197
PRA	1.0300000	PRB	1.1746693	PRC	1.1444417	L	.1795311	min	.0992055	max	.2427006
Si	2.849549	SAB	2.336911	Sf	3.141605	K	.0803257	z	.0631695	m	.0300000
n	.1500000	gam	46.054220	b-al	13.886410	the	103.88643	phi	136.05424	2-LEVEL THRUST	
N	2.0000000	wl	.2200000	w2	.1500000	w3	.0400000	SF	.1015997	LFr	.8676148
PRA	1.0400000	PRB	1.1428199	PRC	1.1501659	L	.1833611	min	.1065089	max	.2400041
Si	2.849545	SAB	2.390083	Sf	3.141603	K	.0768521	z	.0566430	m	.0400000
n	.1500000	gam	46.054220	b-al	16.260141	the	106.26016	phi	136.05424	2-LEVEL THRUST	
N	2.0000000	wl	.2200000	w2	.1500000	w3	.0400000	SF	.1015997	LFr	.7986803
PRA	1.0472665	PRB	1.1255975	PRC	1.329769	L	.1121235	min	.1065089	max	.2400041
Si	2.279645	SAB	2.098902	Sf	3.141603	K	.0056146	z	.1278806	m	.0400000
n	.1500000	gam	46.054220	b-al	16.260141	the	106.26016	phi	136.05424	2-LEVEL THRUST	
N	2.0000000	wl	.2200000	w2	.1500000	w3	.0500000	SF	.1040411	LFr	.8782950
PRA	1.0500000	PRB	1.1127729	PRC	1.1552059	L	.1870308	min	.1133613	max	.2368565
Si	2.849557	SAB	2.443912	Sf	3.141605	K	.0736695	z	.0498257	m	.0500000
n	.1500000	gam	46.054220	b-al	18.662906	the	108.66293	phi	136.05424	2-LEVEL THRUST	
N	2.0000000	wl	.2200000	w2	.1500000	w3	.0500000	SF	.1040411	LFr	.8178253
PRA	1.0578031	PRB	1.0993817	PRC	1.298188	L	.1276646	min	.1133613	max	.2368565
Si	2.374628	SAB	2.201230	Sf	3.141605	K	.0143033	z	.1091919	m	.0500000
n	.1500000	gam	46.054220	b-al	18.662906	the	108.66293	phi	136.05424	2-LEVEL THRUST	

N	2.0000000	w1	.2200000	w2	.1500000	w3	.0600000	SF	.1071587	LFr	.8898697
PRA	1.0600000	PRB	1.0845549	PRC	1.1594315	L	.1905403	min	.1197487	max	.2332438
Si	2.849552	SAB	2.498365	Sf	3.141611	K	.0707917	z	.0427035	m	.0600000
n	.1500000	gam	46.054220	b-al	21.099817	the	111.09984	phi	136.05424	2-LEVEL THRUST	

N	2.0000000	w1	.2200000	w2	.1500000	w3	.0600000	SF	.1071587	LFr	.8354473
PRA	1.0676095	PRB	1.0730067	PRC	1.279105	L	.1396561	min	.1197487	max	.2332438
Si	2.442478	SAB	2.288989	Sf	3.141611	K	.0199074	z	.0935877	m	.0600000
n	.1500000	gam	46.054220	b-al	21.099817	the	111.09984	phi	136.05424	2-LEVEL THRUST	

N	2.0000000	w1	.2200000	w2	.1500000	w3	.0700000	SF	.1111365	LFr	.9024696
PRA	1.0700012	PRB	1.0582201	PRC	1.1626442	L	.1938915	min	.1256379	max	.2291330
Si	2.849555	SAB	2.553462	Sf	3.141609	K	.0682537	z	.0352415	m	.0700000
n	.1500000	gam	46.054220	b-al	23.577850	the	113.57787	phi	136.05424	2-LEVEL THRUST	

N	2.0000000	w1	.2200000	w2	.1500000	w3	.0700000	SF	.1111365	LFr	.8525810
PRA	1.0770596	PRB	1.0480186	PRC	1.265892	L	.1493664	min	.1256379	max	.2291330
Si	2.493354	SAB	2.368026	Sf	3.141609	K	.0237285	z	.0797666	m	.0700000
n	.1500000	gam	46.054220	b-al	23.577850	the	113.57787	phi	136.05424	2-LEVEL THRUST	

N	2.0000000	w1	.2200000	w2	.1500000	w3	.0800000	SF	.1160984	LFr	.9161530
PRA	1.0799489	PRB	1.0339171	PRC	1.1646295	L	.1970863	min	.1310073	max	.2245025
Si	2.849553	SAB	2.609027	Sf	3.141608	K	.0660790	z	.0274161	m	.0800000
n	.1500000	gam	46.054220	b-al	26.103603	the	116.10363	phi	136.05424	2-LEVEL THRUST	

N	2.0000000	w1	.2200000	w2	.1500000	w3	.0800000	SF	.1160984	LFr	.8697929
PRA	1.0862571	PRB	1.0249642	PRC	1.255474	L	.1575089	min	.1310073	max	.2245025
Si	2.532933	SAB	2.441382	Sf	3.141608	K	.0265015	z	.0669936	m	.0800000
n	.1500000	gam	46.054220	b-al	26.103603	the	116.10363	phi	136.05424	2-LEVEL THRUST	

N	2.0000000	w1	.2200000	w2	.1500000	w3	.0900000	SF	.1221514	LFr	.9309626
PRA	1.0897200	PRB	1.0119067	PRC	1.1650973	L	.2001267	min	.1358245	max	.2193196
Si	2.849551	SAB	2.664706	Sf	3.141607	K	.0643022	z	.0191929	m	.0900000
n	.1500000	gam	46.054220	b-al	28.685166	the	118.68519	phi	136.05424	2-LEVEL THRUST	

N	2.0000000	w1	.2200000	w2	.1500000	w3	.0900000	SF	.1221514	LFr	.8874245
PRA	1.0952585	PRB	1.0041171	PRC	1.2460753	L	.1645069	min	.1358245	max	.2193196
Si	2.564593	SAB	2.510864	Sf	3.141607	K	.0286825	z	.0548127	m	.0900000
n	.1500000	gam	46.054220	b-al	28.685166	the	118.68519	phi	136.05424	2-LEVEL THRUST	

N	2.0000000	w1	.2200000	w2	.1500000	w3	.1000000	SF	.1295004	LFr	.9470358
PRA	1.0992715	PRB	.9924292	PRC	1.1636532	L	.2030125	min	.1400481	max	.2135432
Si	2.849545	SAB	2.720374	Sf	3.141606	K	.0629644	z	.0105307	m	.1000000
n	.1500000	gam	46.054220	b-al	31.332087	the	121.33211	phi	136.05424	2-LEVEL THRUST	

N	2.0000000	w1	.2200000	w2	.1500000	w3	.1000000	SF	.1295004	LFr	.9058075
PRA	1.1041166	PRB	.9857189	PRC	1.2364280	L	.1706314	min	.1400481	max	.2135432
Si	2.590497	SAB	2.577685	Sf	3.141606	K	.0305834	z	.0429118	m	.1000000
n	.1500000	gam	46.054220	b-al	31.332087	the	121.33211	phi	136.05424	2-LEVEL THRUST	

N	2.0000000	w1	.2200000	w2	.1500000	w3	.1000000	SF	.1295004	LFr	.8714514
PRA	1.0994571	PRB	.9766210	PRC	1.320416	L	.1436482	min	.1400481	max	.2135432
Si	2.374631	SAB	2.436212	Sf	3.141606	K	.0036001	z	.0698950	m	.1000000
n	.1500000	gam	46.054220	b-al	31.332087	the	121.33211	phi	136.05424	2-LEVEL THRUST	

N	2.0000000	w1	.2200000	w2	.1500000	w3	.1100000	SF	.1383286	LFr	.9644880
PRA	1.1086169	PRB	.9758100	PRC	1.1597241	L	.2057457	min	.1436292	max	.2071243
Si	2.849551	SAB	2.776078	Sf	3.141605	K	.0621166	z	.0013786	m	.1100000
n	.1500000	gam	46.054220	b-al	34.055671	the	124.05569	phi	136.05424	2-LEVEL THRUST	

N	2.0000000	w1	.2200000	w2	.1500000	w3	.1100000	SF	.1383286	LFr	.9251833
PRA	1.1128906	PRB	.9701120	PRC	1.2254017	L	.1760635	min	.1436292	max	.2071243
Si	2.612094	SAB	2.642721	Sf	3.141605	K	.0324344	z	.0310607	m	.1100000
n	.1500000	gam	46.054220	b-al	34.055671	the	124.05569	phi	136.05424	2-LEVEL THRUST	

N	2.0000000	wl	.2200000	w2	.1500000	w3	.1100000	SF	.1383286	LFr	.8919230
PRA	1.1091251	PRB	.9628643	PRC	1.299670	L	.1509457	min	.1436292	max	.2071243
Si	2.411151	SAB	2.510461	Sf	3.141605	K	.0073165	z	.0561786	m	.1100000
n	.1500000	gam	46.054220	b-al	34.055671	the	124.05569	phi	136.05424	2-LEVEL THRUST	
N	2.0000000	wl	.2200000	w2	.1500000	w3	.1200000	SF	.1488590	LFr	.9457779
PRA	1.1216478	PRB	.9579060	PRC	1.2117116	L	.1809235	min	.1465055	max	.2000006
Si	2.630352	SAB	2.706634	Sf	3.141606	K	.0344180	z	.0190772	m	.1200000
n	.1500000	gam	46.054220	b-al	36.869821	the	126.86984	phi	136.05424	2-LEVEL THRUST	
N	2.0000000	wl	.2200000	w2	.1500000	w3	.1200000	SF	.1488590	LFr	.9134836
PRA	1.1186320	PRB	.9522000	PRC	1.277579	L	.1574383	min	.1465055	max	.2000006
Si	2.442470	SAB	2.582472	Sf	3.141606	K	.0109328	z	.0425623	m	.1200000
n	.1500000	gam	46.054220	b-al	36.869821	the	126.86984	phi	136.05424	2-LEVEL THRUST	
N	2.0000000	wl	.2200000	w2	.1500000	w3	.1300000	SF	.1613569	LFr	.9678383
PRA	1.1304625	PRB	.9503989	PRC	1.1933405	L	.1853027	min	.1485989	max	.1920940
Si	2.646014	SAB	2.770009	Sf	3.141605	K	.0367038	z	.0067913	m	.1300000
n	.1500000	gam	46.054220	b-al	39.791782	the	129.79180	phi	136.05424	2-LEVEL THRUST	
N	2.0000000	wl	.2200000	w2	.1500000	w3	.1300000	SF	.1613569	LFr	.9363928
PRA	1.1281800	PRB	.9460782	PRC	1.251590	L	.1632519	min	.1485989	max	.1920940
Si	2.469608	SAB	2.653155	Sf	3.141605	K	.0146530	z	.0288422	m	.1300000
n	.1500000	gam	46.054220	b-al	39.791782	the	129.79180	phi	136.05424	2-LEVEL THRUST	
N	2.0000000	wl	.2200000	w2	.1600000	w3	.0200000	SF	.1193552	LFr	.8642712
PRA	1.0200000	PRB	1.2297888	PRC	1.1340532	L	.1834812	min	.1024789	max	.2449610
Si	2.849553	SAB	2.252620	Sf	3.141607	K	.0810023	z	.0614798	m	.0200000
n	.1600000	gam	49.463979	b-al	11.536790	the	101.53681	phi	139.46400	2-LEVEL THRUST	
N	2.0000000	wl	.2200000	w2	.1600000	w3	.0300000	SF	.1206274	LFr	.8733788
PRA	1.0300000	PRB	1.1949357	PRC	1.1405420	L	.1874771	min	.1102185	max	.2427006
Si	2.849553	SAB	2.305132	Sf	3.141605	K	.0772586	z	.0552235	m	.0300000
n	.1600000	gam	49.463979	b-al	13.886410	the	103.88643	phi	139.46400	2-LEVEL THRUST	
N	2.0000000	wl	.2200000	w2	.1600000	w3	.0400000	SF	.1223631	LFr	.8833027
PRA	1.0400000	PRB	1.1619030	PRC	1.1465205	L	.1913071	min	.1175220	max	.2400041
Si	2.849550	SAB	2.358304	Sf	3.141604	K	.0737851	z	.0486970	m	.0400000
n	.1600000	gam	49.463979	b-al	16.260141	the	106.26016	phi	139.46400	2-LEVEL THRUST	
N	2.0000000	wl	.2200000	w2	.1600000	w3	.0400000	SF	.1223631	LFr	.8107395
PRA	1.0463764	PRB	1.1407311	PRC	1.333614	L	.1200676	min	.1175220	max	.2400041
Si	2.279634	SAB	2.065085	Sf	3.141604	K	.0025456	z	.1199365	m	.0400000
n	.1600000	gam	49.463979	b-al	16.260141	the	106.26016	phi	139.46400	2-LEVEL THRUST	
N	2.0000000	wl	.2200000	w2	.1600000	w3	.0500000	SF	.1248045	LFr	.8942242
PRA	1.0500000	PRB	1.1306887	PRC	1.1518839	L	.1949749	min	.1243744	max	.2368565
Si	2.849547	SAB	2.412125	Sf	3.141605	K	.0706005	z	.0418816	m	.0500000
n	.1600000	gam	49.463979	b-al	18.662906	the	108.66293	phi	139.46400	2-LEVEL THRUST	
N	2.0000000	wl	.2200000	w2	.1600000	w3	.0500000	SF	.1248045	LFr	.8307324
PRA	1.0571315	PRB	1.1145183	PRC	1.300271	L	.1356106	min	.1243744	max	.2368565
Si	2.374632	SAB	2.167856	Sf	3.141605	K	.0112362	z	.1012459	m	.0500000
n	.1600000	gam	49.463979	b-al	18.662906	the	108.66293	phi	139.46400	2-LEVEL THRUST	
N	2.0000000	wl	.2200000	w2	.1600000	w3	.0600000	SF	.1279211	LFr	.9060583
PRA	1.0600000	PRB	1.1013078	PRC	1.1565055	L	.1984863	min	.1307618	max	.2332438
Si	2.849557	SAB	2.466585	Sf	3.141612	K	.0677246	z	.0347575	m	.0600000
n	.1600000	gam	49.463979	b-al	21.099817	the	111.09984	phi	139.46400	2-LEVEL THRUST	
N	2.0000000	wl	.2200000	w2	.1600000	w3	.0600000	SF	.1279211	LFr	.8490429
PRA	1.0669664	PRB	1.0876519	PRC	1.280545	L	.1476002	min	.1307618	max	.2332438
Si	2.442467	SAB	2.255630	Sf	3.141612	K	.0168384	z	.0856436	m	.0600000
n	.1600000	gam	49.463979	b-al	21.099817	the	111.09984	phi	139.46400	2-LEVEL THRUST	

N	2.0000000	w1	.2200000	w2	.1600000	w3	.0700000	SF	.1318998	LFr	.9189320		
PRA	1.0699990	PRB	1.0737934	PRC	1.1602290	L	.2018356	min	.1366510	max	.2291330		
Si	2.849544	SAB	2.521667	Sf	3.141610	K	.0651847	z	.0272974	m	.0700000		
n	.1600000	gam	49.463979	b-al	23.577850	the	113.57787	phi	139.46400	2-LEVEL THRUST			
N	2.0000000	w1	.2200000	w2	.1600000	w3	.0700000	SF	.1318998	LFr	.8667784		
PRA	1.0763774	PRB	1.0619460	PRC	1.267207	L	.1573124	min	.1366510	max	.2291330		
Si	2.493358	SAB	2.334545	Sf	3.141610	K	.0206615	z	.0718206	m	.0700000		
n	.1600000	gam	49.463979	b-al	23.577850	the	113.57787	phi	139.46400	2-LEVEL THRUST			
N	2.0000000	w1	.2200000	w2	.1600000	w3	.0800000	SF	.1368609	LFr	.9329119		
PRA	1.0799055	PRB	1.0483056	PRC	1.1628641	L	.2050324	min	.1420204	max	.2245025		
Si	2.849557	SAB	2.577123	Sf	3.141608	K	.0630119	z	.0194701	m	.0800000		
n	.1600000	gam	49.463979	b-al	26.103603	the	116.10363	phi	139.46400	2-LEVEL THRUST			
N	2.0000000	w1	.2200000	w2	.1600000	w3	.0800000	SF	.1368609	LFr	.8845358		
PRA	1.0855062	PRB	1.0380132	PRC	1.257034	L	.1654549	min	.1420204	max	.2245025		
Si	2.532938	SAB	2.407700	Sf	3.141608	K	.0234345	z	.0590476	m	.0800000		
n	.1600000	gam	49.463979	b-al	26.103603	the	116.10363	phi	139.46400	2-LEVEL THRUST			
N	2.0000000	w1	.2200000	w2	.1600000	w3	.0900000	SF	.1429148	LFr	.9480352		
PRA	1.0896043	PRB	1.0250484	PRC	1.1641883	L	.2080727	min	.1468375	max	.2193196		
Si	2.849555	SAB	2.632597	Sf	3.141608	K	.0612351	z	.0112469	m	.0900000		
n	.1600000	gam	49.463979	b-al	28.685166	the	118.68519	phi	139.46400	2-LEVEL THRUST			
N	2.0000000	w1	.2200000	w2	.1600000	w3	.0900000	SF	.1429148	LFr	.9026833		
PRA	1.0944260	PRB	1.0161229	PRC	1.2482124	L	.1724529	min	.1468375	max	.2193196		
Si	2.564597	SAB	2.476950	Sf	3.141608	K	.0256154	z	.0468667	m	.0900000		
n	.1600000	gam	49.463979	b-al	28.685166	the	118.68519	phi	139.46400	2-LEVEL THRUST			
N	2.0000000	w1	.2200000	w2	.1600000	w3	.1000000	SF	.1502638	LFr	.9644451		
PRA	1.0990682	PRB	1.0041649	PRC	1.1638981	L	.2109585	min	.1510612	max	.2135432		
Si	2.849549	SAB	2.688015	Sf	3.141606	K	.0598974	z	.0025847	m	.1000000		
n	.1600000	gam	49.463979	b-al	31.332087	the	121.33211	phi	139.46400	2-LEVEL THRUST			
N	2.0000000	w1	.2200000	w2	.1600000	w3	.1000000	SF	.1502638	LFr	.9215670		
PRA	1.1032001	PRB	.9964564	PRC	1.2395282	L	.1785774	min	.1510612	max	.2135432		
Si	2.590501	SAB	2.543531	Sf	3.141606	K	.0275163	z	.0349658	m	.1000000		
n	.1600000	gam	49.463979	b-al	31.332087	the	121.33211	phi	139.46400	2-LEVEL THRUST			
N	2.0000000	w1	.2200000	w2	.1600000	w3	.1000000	SF	.1502638	LFr	.8858347		
PRA	1.0967642	PRB	.9857953	PRC	1.328956	L	.1515923	min	.1510612	max	.2135432		
Si	2.374620	SAB	2.398029	Sf	3.141606	K	.0005311	z	.0619509	m	.1000000		
n	.1600000	gam	49.463979	b-al	31.332087	the	121.33211	phi	139.46400	2-LEVEL THRUST			
N	2.0000000	w1	.2200000	w2	.1600000	w3	.1100000	SF	.1590920	LFr	.9414387		
PRA	1.1118944	PRB	.9792208	PRC	1.2300096	L	.1840077	min	.1546422	max	.2071243		
Si	2.612083	SAB	2.608330	Sf	3.141605	K	.0293654	z	.0231166	m	.1100000		
n	.1600000	gam	49.463979	b-al	34.055671	the	124.05569	phi	139.46400	2-LEVEL THRUST			
N	2.0000000	w1	.2200000	w2	.1600000	w3	.1100000	SF	.1590920	LFr	.9069023		
PRA	1.1065813	PRB	.9706364	PRC	1.309019	L	.1588917	min	.1546422	max	.2071243		
Si	2.411155	SAB	2.472573	Sf	3.141605	K	.0042495	z	.0482326	m	.1100000		
n	.1600000	gam	49.463979	b-al	34.055671	the	124.05569	phi	139.46400	2-LEVEL THRUST			
N	2.0000000	w1	.2200000	w2	.1600000	w3	.1200000	SF	.1696224	LFr	.9625425		
PRA	1.1205820	PRB	.9647541	PRC	1.2186817	L	.1888695	min	.1575186	max	.2000006		
Si	2.630356	SAB	2.672052	Sf	3.141606	K	.0313509	z	.0111311	m	.1200000		
n	.1600000	gam	49.463979	b-al	36.869821	the	126.86984	phi	139.46400	2-LEVEL THRUST			
N	2.0000000	w1	.2200000	w2	.1600000	w3	.1200000	SF	.1696224	LFr	.9290524		
PRA	1.1162179	PRB	.9578500	PRC	1.288847	L	.1653843	min	.1575186	max	.2000006		
Si	2.442475	SAB	2.544797	Sf	3.141606	K	.0078657	z	.0346163	m	.1200000		
n	.1600000	gam	49.463979	b-al	36.869821	the	126.86984	phi	139.46400	2-LEVEL THRUST			

N	2.0000000	w1	.2200000	w2	.1600000	w3	.1300000	SF	.1821194	LFr	.9525557
PRA	1.1258722	PRB	.9482013	PRC	1.266681	L	.1711979	min	.1596120	max	.1920940
Si	2.469612	SAB	2.615676	Sf	3.141605	K	.0115859	z	.0208961	m	.1300000
n	.1600000	gam	49.463979	b-al	39.791782	the	129.79180	phi	139.46400	2-LEVEL THRUST	

N	2.0000000	w1	.2200000	w2	.1700000	w3	.0200000	SF	.1441584	LFr	.8813753
PRA	1.0200000	PRB	1.252037	PRC	1.1324804	L	.1927185	min	.1149600	max	.2449610
Si	2.849544	SAB	2.215662	Sf	3.141603	K	.0777585	z	.0522425	m	.0200000
n	.1700000	gam	53.12993	b-al	11.536790	the	101.53681	phi	143.12995	2-LEVEL THRUST	

N	2.0000000	w1	.2200000	w2	.1700000	w3	.0300000	SF	.1454315	LFr	.8907623
PRA	1.0300000	PRB	1.2158327	PRC	1.1392025	L	.1967144	min	.1226996	max	.2427006
Si	2.849545	SAB	2.268174	Sf	3.141601	K	.0740148	z	.0459862	m	.0300000
n	.1700000	gam	53.12993	b-al	13.886410	the	103.88643	phi	143.12995	2-LEVEL THRUST	

N	2.0000000	w1	.2200000	w2	.1700000	w3	.0400000	SF	.1471663	LFr	.9009829
PRA	1.0400000	PRB	1.1814987	PRC	1.1454506	L	.2005463	min	.1300031	max	.2400041
Si	2.849556	SAB	2.321353	Sf	3.141600	K	.0705432	z	.0394578	m	.0400000
n	.1700000	gam	53.12993	b-al	16.260141	the	106.26016	phi	143.12995	2-LEVEL THRUST	

N	2.0000000	w1	.2200000	w2	.1700000	w3	.0500000	SF	.1496077	LFr	.9122114
PRA	1.0500000	PRB	1.1490255	PRC	1.1511339	L	.2042141	min	.1368555	max	.2368565
Si	2.849553	SAB	2.375175	Sf	3.141601	K	.0673586	z	.0326424	m	.0500000
n	.1700000	gam	53.12993	b-al	18.662906	the	108.66293	phi	143.12995	2-LEVEL THRUST	

N	2.0000000	w1	.2200000	w2	.1700000	w3	.0500000	SF	.1496077	LFr	.8456946
PRA	1.0562650	PRB	1.1296756	PRC	1.306334	L	.1448479	min	.1368555	max	.2368565
Si	2.374623	SAB	2.128840	Sf	3.141601	K	.0079924	z	.0920086	m	.0500000
n	.1700000	gam	53.12993	b-al	18.662906	the	108.66293	phi	143.12995	2-LEVEL THRUST	

N	2.0000000	w1	.2200000	w2	.1700000	w3	.0600000	SF	.1527252	LFr	.9243679
PRA	1.0600000	PRB	1.1184118	PRC	1.1561406	L	.2077236	min	.1432428	max	.2332438
Si	2.849548	SAB	2.429627	Sf	3.141608	K	.0644808	z	.0255202	m	.0600000
n	.1700000	gam	53.12993	b-al	21.099817	the	111.09984	phi	143.12995	2-LEVEL THRUST	

N	2.0000000	w1	.2200000	w2	.1700000	w3	.0600000	SF	.1527252	LFr	.8647633
PRA	1.0661539	PRB	1.1023718	PRC	1.285635	L	.1568394	min	.1432428	max	.2332438
Si	2.442474	SAB	2.216696	Sf	3.141608	K	.0135966	z	.0764044	m	.0600000
n	.1700000	gam	53.12993	b-al	21.099817	the	111.09984	phi	143.12995	2-LEVEL THRUST	

N	2.0000000	w1	.2200000	w2	.1700000	w3	.0700000	SF	.1567030	LFr	.9375849
PRA	1.0699891	PRB	1.0896863	PRC	1.1603210	L	.2110748	min	.1491320	max	.2291330
Si	2.849551	SAB	2.484689	Sf	3.141606	K	.0619428	z	.0180582	m	.0700000
n	.1700000	gam	53.12993	b-al	23.577850	the	113.57787	phi	143.12995	2-LEVEL THRUST	

N	2.0000000	w1	.2200000	w2	.1700000	w3	.0700000	SF	.1567030	LFr	.8831635
PRA	1.0755328	PRB	1.0759895	PRC	1.271945	L	.1665516	min	.1491320	max	.2291330
Si	2.493365	SAB	2.295489	Sf	3.141606	K	.0174196	z	.0625814	m	.0700000
n	.1700000	gam	53.12993	b-al	23.577850	the	113.57787	phi	143.12995	2-LEVEL THRUST	

N	2.0000000	w1	.2200000	w2	.1700000	w3	.0800000	SF	.1616650	LFr	.9519224
PRA	1.0798389	PRB	1.0630344	PRC	1.1635225	L	.2142697	min	.1545015	max	.2245025
Si	2.849549	SAB	2.539975	Sf	3.141605	K	.0597682	z	.0102328	m	.0800000
n	.1700000	gam	53.12993	b-al	26.103603	the	116.10363	phi	143.12995	2-LEVEL THRUST	

N	2.0000000	w1	.2200000	w2	.1700000	w3	.0800000	SF	.1616650	LFr	.9015303
PRA	1.0845921	PRB	1.0512410	PRC	1.261797	L	.1746922	min	.1545015	max	.2245025
Si	2.532929	SAB	2.368426	Sf	3.141605	K	.0201907	z	.0498103	m	.0800000
n	.1700000	gam	53.12993	b-al	26.103603	the	116.10363	phi	143.12995	2-LEVEL THRUST	

N	2.0000000	w1	.2200000	w2	.1700000	w3	.0900000	SF	.1677179	LFr	.9674263
PRA	1.0894510	PRB	1.0386032	PRC	1.1655496	L	.2173100	min	.1593186	max	.2193196
Si	2.849546	SAB	2.595201	Sf	3.141604	K	.0579914	z	.0020096	m	.0900000
n	.1700000	gam	53.12993	b-al	28.685166	the	118.68519	phi	143.12995	2-LEVEL THRUST	

N	2.0000000	w1	.2200000	w2	.1700000	w3	.0900000	SF	.1677179	LFr	.9202595		
PRA	1.0934269	PRB	1.0284140	PRC	1.253290	L	.1816902	min	.1593186	max	.2193196		
Si	2.564588	SAB	2.437429	Sf	3.141604	K	.0223716	z	.0376294	m	.0900000		
n	.1700000	gam	53.12993	b-al	28.685166	the	118.68519	phi	143.12995	2-LEVEL THRUST			
N	2.0000000	w1	.2200000	w2	.1700000	w3	.1000000	SF	.1750670	LFr	.9397135		
PRA	1.1021126	PRB	1.0076650	PRC	1.2452072	L	.1878166	min	.1635422	max	.2135432		
Si	2.590507	SAB	2.503764	Sf	3.141603	K	.0242744	z	.0257266	m	.1000000		
n	.1700000	gam	53.12993	b-al	31.332087	the	121.33211	phi	143.12995	2-LEVEL THRUST			
N	2.0000000	w1	.2200000	w2	.1700000	w3	.1100000	SF	.1838951	LFr	.9601498		
PRA	1.1107231	PRB	.9891252	PRC	1.2366608	L	.1932469	min	.1671233	max	.2071243		
Si	2.612089	SAB	2.568321	Sf	3.141602	K	.0261235	z	.0138774	m	.1100000		
n	.1700000	gam	53.12993	b-al	34.055671	the	124.05569	phi	143.12995	2-LEVEL THRUST			
N	2.0000000	w1	.2200000	w2	.1700000	w3	.1100000	SF	.1838951	LFr	.9243336		
PRA	1.1035762	PRB	.9790599	PRC	1.321374	L	.1681309	min	.1671233	max	.2071243		
Si	2.411162	SAB	2.428377	Sf	3.141602	K	.0010076	z	.0389934	m	.1100000		
n	.1700000	gam	53.12993	b-al	34.055671	the	124.05569	phi	143.12995	2-LEVEL THRUST			
N	2.0000000	w1	.2200000	w2	.1700000	w3	.1200000	SF	.1944256	LFr	.9818230		
PRA	1.1193383	PRB	.9729949	PRC	1.2268298	L	.1981068	min	.1699997	max	.2000006		
Si	2.630347	SAB	2.631821	Sf	3.141603	K	.0281071	z	.0018939	m	.1200000		
n	.1700000	gam	53.12993	b-al	36.869821	the	126.86984	phi	143.12995	2-LEVEL THRUST			
N	2.0000000	w1	.2200000	w2	.1700000	w3	.1200000	SF	.1944256	LFr	.9471359		
PRA	1.1133790	PRB	.9648097	PRC	1.302005	L	.1746216	min	.1699997	max	.2000006		
Si	2.442466	SAB	2.500904	Sf	3.141603	K	.0046220	z	.0253790	m	.1200000		
n	.1700000	gam	53.12993	b-al	36.869821	the	126.86984	phi	143.12995	2-LEVEL THRUST			
N	2.0000000	w1	.2200000	w2	.1800000	w3	.0200000	SF	.1741486	LFr	.9009762		
PRA	1.0200000	PRB	1.275403	PRC	1.1341000	L	.2036457	min	.1293138	max	.2449610		
Si	2.849558	SAB	2.171966	Sf	3.141606	K	.0743320	z	.0413153	m	.0200000		
n	.1800000	gam	57.14000	b-al	11.536790	the	101.53681	phi	147.14002	2-LEVEL THRUST			
N	2.0000000	w1	.2200000	w2	.1800000	w3	.0300000	SF	.1754208	LFr	.9107304		
PRA	1.0300000	PRB	1.2376571	PRC	1.1410982	L	.2076416	min	.1370534	max	.2427006		
Si	2.849558	SAB	2.224478	Sf	3.141605	K	.0705882	z	.0350590	m	.0300000		
n	.1800000	gam	57.14000	b-al	13.886410	the	103.88643	phi	147.14002	2-LEVEL THRUST			
N	2.0000000	w1	.2200000	w2	.1800000	w3	.0400000	SF	.1771565	LFr	.9213266		
PRA	1.0400000	PRB	1.2018556	PRC	1.1476567	L	.2114716	min	.1443569	max	.2400041		
Si	2.849554	SAB	2.277651	Sf	3.141604	K	.0671147	z	.0285325	m	.0400000		
n	.1800000	gam	57.14000	b-al	16.260141	the	106.26016	phi	147.14002	2-LEVEL THRUST			
N	2.0000000	w1	.2200000	w2	.1800000	w3	.0500000	SF	.1795979	LFr	.9329491		
PRA	1.0500000	PRB	1.1679773	PRC	1.1536843	L	.2151394	min	.1512093	max	.2368565		
Si	2.849551	SAB	2.331472	Sf	3.141605	K	.0639302	z	.0217171	m	.0500000		
n	.1800000	gam	57.14000	b-al	18.662906	the	108.66293	phi	147.14002	2-LEVEL THRUST			
N	2.0000000	w1	.2200000	w2	.1800000	w3	.0500000	SF	.1795979	LFr	.8634091		
PRA	1.0551423	PRB	1.1449710	PRC	1.317583	L	.1557732	min	.1512093	max	.2368565		
Si	2.374622	SAB	2.082471	Sf	3.141605	K	.0045639	z	.0810833	m	.0500000		
n	.1800000	gam	57.14000	b-al	18.662906	the	108.66293	phi	147.14002	2-LEVEL THRUST			
N	2.0000000	w1	.2200000	w2	.1800000	w3	.0600000	SF	.1827145	LFr	.9455156		
PRA	1.0600000	PRB	1.1360116	PRC	1.1590792	L	.2186489	min	.1575966	max	.2332438		
Si	2.849546	SAB	2.385924	Sf	3.141612	K	.0610523	z	.0145949	m	.0600000		
n	.1800000	gam	57.14000	b-al	21.099817	the	111.09984	phi	147.14002	2-LEVEL THRUST			
N	2.0000000	w1	.2200000	w2	.1800000	w3	.0600000	SF	.1827145	LFr	.8833199		
PRA	1.0651235	PRB	1.1172596	PRC	1.295518	L	.1677647	min	.1575966	max	.2332438		
Si	2.442472	SAB	2.170476	Sf	3.141612	K	.0101681	z	.0654791	m	.0600000		
n	.1800000	gam	57.14000	b-al	21.099817	the	111.09984	phi	147.14002	2-LEVEL THRUST			

N	2.0000000	w1	.2200000	w2	.1800000	w3	.0700000	SF	.1866922	LFr	.9591599		
PRA	1.0699658	PRB	1.1060030	PRC	1.1637036	L	.2220001	min	.1634858	max	.2291330		
Si	2.849549	SAB	2.440920	Sf	3.141609	K	.0585144	z	.0071329	m	.0700000		
n	.1800000	gam	57.14000	b-al	23.577850	the	113.57787	phi	147.14002	2-LEVEL THRUST			
N	2.0000000	w1	.2200000	w2	.1800000	w3	.0700000	SF	.1866922	LFr	.9024716		
PRA	1.0744824	PRB	1.0902102	PRC	1.281210	L	.1774769	min	.1634858	max	.2291330		
Si	2.493363	SAB	2.249168	Sf	3.141609	K	.0139911	z	.0516561	m	.0700000		
n	.1800000	gam	57.14000	b-al	23.577850	the	113.57787	phi	147.14002	2-LEVEL THRUST			
N	2.0000000	w1	.2200000	w2	.1800000	w3	.0800000	SF	.1916542	LFr	.9215355		
PRA	1.0834742	PRB	1.0646661	PRC	1.270857	L	.1856175	min	.1688553	max	.2245025		
Si	2.532927	SAB	2.321891	Sf	3.141608	K	.0167622	z	.0388850	m	.0800000		
n	.1800000	gam	57.14000	b-al	26.103603	the	116.10363	phi	147.14002	2-LEVEL THRUST			
N	2.0000000	w1	.2200000	w2	.1800000	w3	.0900000	SF	.1977081	LFr	.9409351		
PRA	1.0922218	PRB	1.0409506	PRC	1.262429	L	.1926174	min	.1736724	max	.2193196		
Si	2.564602	SAB	2.390644	Sf	3.141607	K	.0189451	z	.0267022	m	.0900000		
n	.1800000	gam	57.14000	b-al	28.685166	the	118.68519	phi	147.14002	2-LEVEL THRUST			
N	2.0000000	w1	.2200000	w2	.1800000	w3	.1000000	SF	.2050572	LFr	.9610396		
PRA	1.1008148	PRB	1.0192116	PRC	1.254687	L	.1987419	min	.1778960	max	.2135432		
Si	2.590506	SAB	2.456700	Sf	3.141606	K	.0208459	z	.0148013	m	.1000000		
n	.1800000	gam	57.14000	b-al	31.332087	the	121.33211	phi	147.14002	2-LEVEL THRUST			
N	2.0000000	w1	.2200000	w2	.1900000	w3	.0200000	SF	.2111921	LFr	.9241247		
PRA	1.0200000	PRB	1.300506	PRC	1.1400811	L	.2169190	min	.1462172	max	.2449610		
Si	2.849551	SAB	2.118866	Sf	3.141605	K	.0707018	z	.0280420	m	.0200000		
n	.1900000	gam	61.64228	b-al	11.536790	the	101.53681	phi	151.64230	2-LEVEL THRUST			
N	2.0000000	w1	.2200000	w2	.1900000	w3	.0300000	SF	.2124643	LFr	.9343624		
PRA	1.0300000	PRB	1.260934	PRC	1.1474233	L	.2209149	min	.1539568	max	.2427006		
Si	2.849551	SAB	2.171378	Sf	3.141603	K	.0669580	z	.0217858	m	.0300000		
n	.1900000	gam	61.64228	b-al	13.886410	the	103.88643	phi	151.64230	2-LEVEL THRUST			
N	2.0000000	w1	.2200000	w2	.1900000	w3	.0400000	SF	.2142000	LFr	.9454594		
PRA	1.0400000	PRB	1.2234107	PRC	1.1543479	L	.2247448	min	.1612603	max	.2400041		
Si	2.849547	SAB	2.224550	Sf	3.141602	K	.0634845	z	.0152593	m	.0400000		
n	.1900000	gam	61.64228	b-al	16.260141	the	106.26016	phi	151.64230	2-LEVEL THRUST			
N	2.0000000	w1	.2200000	w2	.1900000	w3	.0500000	SF	.2166414	LFr	.9575958		
PRA	1.0500000	PRB	1.1879037	PRC	1.1607686	L	.2284126	min	.1681127	max	.2368565		
Si	2.849544	SAB	2.278371	Sf	3.141603	K	.0602999	z	.0084438	m	.0500000		
n	.1900000	gam	61.64228	b-al	18.662906	the	108.66293	phi	151.64230	2-LEVEL THRUST			
N	2.0000000	w1	.2200000	w2	.1900000	w3	.0500000	SF	.2166414	LFr	.8850346		
PRA	1.0536773	PRB	1.1606446	PRC	1.336085	L	.1690483	min	.1681127	max	.2368565		
Si	2.374629	SAB	2.025900	Sf	3.141603	K	.0009356	z	.0678082	m	.0500000		
n	.1900000	gam	61.64228	b-al	18.662906	the	108.66293	phi	151.64230	2-LEVEL THRUST			
N	2.0000000	w1	.2200000	w2	.1900000	w3	.0600000	SF	.2197580	LFr	.9706945		
PRA	1.0600008	PRB	1.1543904	PRC	1.1665837	L	.2319241	min	.1745001	max	.2332438		
Si	2.849554	SAB	2.332833	Sf	3.141610	K	.0574240	z	.0013197	m	.0600000		
n	.1900000	gam	61.64228	b-al	21.099817	the	111.09984	phi	151.64230	2-LEVEL THRUST			
N	2.0000000	w1	.2200000	w2	.1900000	w3	.0600000	SF	.2197580	LFr	.9059038		
PRA	1.0638076	PRB	1.1325234	PRC	1.312101	L	.1810379	min	.1745001	max	.2332438		
Si	2.442465	SAB	2.114161	Sf	3.141610	K	.0065379	z	.0522059	m	.0600000		
n	.1900000	gam	61.64228	b-al	21.099817	the	111.09984	phi	151.64230	2-LEVEL THRUST			
N	2.0000000	w1	.2200000	w2	.1900000	w3	.0700000	SF	.2237368	LFr	.9259262		
PRA	1.0731669	PRB	1.1047703	PRC	1.296832	L	.1907501	min	.1803893	max	.2291330		
Si	2.493356	SAB	2.192786	Sf	3.141608	K	.0103609	z	.0383829	m	.0700000		
n	.1900000	gam	61.64228	b-al	23.577850	the	113.57787	phi	151.64230	2-LEVEL THRUST			

N	2.0000000	wl	.2200000	w2	.1900000	w3	.0800000	SF	.2286978	LFr	.9458103
PRA	1.0820970	PRB	1.0783947	PRC	1.286016	L	.1988926	min	.1857587	max	.2245025
Si	2.532935	SAB	2.265311	Sf	3.141607	K	.0131339	z	.0256099	m	.0800000
n	.1900000	gam	61.64228	b-al	26.103603	the	116.10363	phi	151.64230	2-LEVEL THRUST	
N	2.0000000	wl	.2200000	w2	.2000000	w3	.0200000	SF	.2588234	LFr	.9528589
PRA	1.0200000	PRB	1.328582	PRC	1.1527843	L	.2338295	min	.1669814	max	.2449610
Si	2.849559	SAB	2.051233	Sf	3.141603	K	.0668481	z	.0111315	m	.0200000
n	.2000000	gam	66.92602	b-al	11.536790	the	101.53681	phi	156.92605	2-LEVEL THRUST	
N	2.0000000	wl	.2200000	w2	.2000000	w3	.0300000	SF	.2600956	LFr	.9637690
PRA	1.0300000	PRB	1.286717	PRC	1.1605799	L	.2378254	min	.1747210	max	.2427006
Si	2.849559	SAB	2.103745	Sf	3.141601	K	.0631044	z	.0048752	m	.0300000
n	.2000000	gam	66.92602	b-al	13.886410	the	103.88643	phi	156.92605	2-LEVEL THRUST	
N	2.0000000	wl	.2200000	w2	.2000000	w3	.0600000	SF	.2673893	LFr	.9348164
PRA	1.0621088	PRB	1.1486367	PRC	1.339162	L	.1979485	min	.1952643	max	.2332438
Si	2.442473	SAB	2.042379	Sf	3.141608	K	.0026842	z	.0352953	m	.0600000
n	.2000000	gam	66.92602	b-al	21.099817	the	111.09984	phi	156.92605	2-LEVEL THRUST	
N	2.0000000	wl	.2400000	w2	.0400000	w3	.0200000	SF	.0071879	LFr	.7847185
PRA	1.0200000	PRB	.9999755	PRC	1.523151	L	.1483402	min	.0254166	max	.2245089
Si	2.849556	SAB	2.393186	Sf	3.139874	K	.1229237	z	.0761687	m	.0200000
n	.0400000	gam	17.718849	b-al	12.555675	the	102.55570	phi	107.71887		
N	2.0000000	wl	.2400000	w2	.0400000	w3	.0200000	SF	.0071879	LFr	.7484369
PRA	1.0294209	PRB	.9968302	PRC	1.642985	L	.0296078	min	.0254166	max	.2245089
Si	1.899697	SAB	1.917156	Sf	3.139874	K	.0041912	z	.1949011	m	.0200000
n	.0400000	gam	17.718849	b-al	12.555675	the	102.55570	phi	107.71887	2-LEVEL THRUST	
N	2.0000000	wl	.2400000	w2	.0500000	w3	.0200000	SF	.0098496	LFr	.7937584
PRA	1.0200000	PRB	1.0163001	PRC	1.468252	L	.1503563	min	.0288688	max	.2245089
Si	2.849557	SAB	2.385123	Sf	3.139196	K	.1214876	z	.0741526	m	.0200000
n	.0500000	gam	20.354386	b-al	12.555675	the	102.55570	phi	110.35441		
N	2.0000000	wl	.2400000	w2	.0500000	w3	.0200000	SF	.0098496	LFr	.7514296
PRA	1.0292407	PRB	1.0142205	PRC	1.621575	L	.0316239	min	.0288688	max	.2245089
Si	1.899698	SAB	1.908751	Sf	3.139196	K	.0027551	z	.1928851	m	.0200000
n	.0500000	gam	20.354386	b-al	12.555675	the	102.55570	phi	110.35441	2-LEVEL THRUST	
N	2.0000000	wl	.2400000	w2	.0500000	w3	.0300000	SF	.0112476	LFr	.8033619
PRA	1.0300000	PRB	.9941428	PRC	1.458448	L	.1542721	min	.0364014	max	.2220416
Si	2.849553	SAB	2.437951	Sf	3.138856	K	.1178707	z	.0677695	m	.0300000
n	.0500000	gam	20.354386	b-al	15.121537	the	105.12156	phi	110.35441		
N	2.0000000	wl	.2400000	w2	.0500000	w3	.0300000	SF	.0112476	LFr	.7670803
PRA	1.0400015	PRB	.9926499	PRC	1.518953	L	.0652237	min	.0364014	max	.2220416
Si	2.137166	SAB	2.081761	Sf	3.138856	K	.0288223	z	.1568179	m	.0300000
n	.0500000	gam	20.354386	b-al	15.121537	the	105.12156	phi	110.35441	2-LEVEL THRUST	
N	2.0000000	wl	.2400000	w2	.0600000	w3	.0200000	SF	.0133200	LFr	.8030634
PRA	1.0200000	PRB	1.0339056	PRC	1.415769	L	.1527233	min	.0328439	max	.2245089
Si	2.849545	SAB	2.375643	Sf	3.138297	K	.1198794	z	.0717856	m	.0200000
n	.0600000	gam	23.035286	b-al	12.555675	the	102.55570	phi	113.03531		
N	2.0000000	wl	.2400000	w2	.0600000	w3	.0200000	SF	.0133200	LFr	.7546883
PRA	1.0289959	PRB	1.0322736	PRC	1.601095	L	.0339928	min	.0328439	max	.2245089
Si	1.899701	SAB	1.898813	Sf	3.138297	K	.0011489	z	.1905161	m	.0200000
n	.0600000	gam	23.035286	b-al	12.555675	the	102.55570	phi	113.03531	2-LEVEL THRUST	
N	2.0000000	wl	.2400000	w2	.0600000	w3	.0300000	SF	.0147171	LFr	.8126030
PRA	1.0300000	PRB	1.0093489	PRC	1.409605	L	.1566410	min	.0403766	max	.2220416
Si	2.849556	SAB	2.428479	Sf	3.137957	K	.1162644	z	.0654006	m	.0300000
n	.0600000	gam	23.035286	b-al	15.121537	the	105.12156	phi	113.03531		

N	2.0000000	w1	.2400000	w2	.0600000	w3	.0300000	SF	.0147171	LFr	.7717867
PRA	1.0399998	PRB	1.0094676	PRC	1.500048	L	.0675926	min	.0403766	max	.2220416
Si	2.137169	SAB	2.072285	Sf	3.137957	K	.0272160	z	.1544490	m	.0300000
n	.0600000	gam	23.035286	b-al	15.121537	the	105.12156	phi	113.03531	2-LEVEL THRUST	
N	2.0000000	w1	.2400000	w2	.0600000	w3	.0400000	SF	.0166407	LFr	.8228560
PRA	1.0400000	PRB	.9888437	PRC	1.399080	L	.1603794	min	.0474272	max	.2190922
Si	2.849556	SAB	2.482021	Sf	3.137467	K	.1129523	z	.0587127	m	.0400000
n	.0600000	gam	23.035286	b-al	17.718849	the	107.71887	phi	113.03531		
N	2.0000000	w1	.2400000	w2	.0600000	w3	.0400000	SF	.0166407	LFr	.7865734
PRA	1.0500000	PRB	.9871649	PRC	1.446595	L	.0891400	min	.0474272	max	.2190922
Si	2.279640	SAB	2.197063	Sf	3.137467	K	.0417128	z	.1299522	m	.0400000
n	.0600000	gam	23.035286	b-al	17.718849	the	107.71887	phi	113.03531	2-LEVEL THRUST	
N	2.0000000	w1	.2400000	w2	.0700000	w3	.0200000	SF	.0177469	LFr	.8126907
PRA	1.0200000	PRB	1.0522715	PRC	1.366455	L	.1554852	min	.0373820	max	.2245089
Si	2.849558	SAB	2.364609	Sf	3.137104	K	.1181031	z	.0690238	m	.0200000
n	.0700000	gam	25.771112	b-al	12.555675	the	102.55570	phi	115.77113		
N	2.0000000	w1	.2400000	w2	.0700000	w3	.0300000	SF	.0191450	LFr	.8221874
PRA	1.0300000	PRB	1.0260874	PRC	1.362296	L	.1594009	min	.0449147	max	.2220416
Si	2.849554	SAB	2.417437	Sf	3.136764	K	.1144862	z	.0626407	m	.0300000
n	.0700000	gam	25.771112	b-al	15.121537	the	105.12156	phi	115.77113		
N	2.0000000	w1	.2400000	w2	.0700000	w3	.0300000	SF	.0191450	LFr	.7768355
PRA	1.0399935	PRB	1.0274515	PRC	1.481134	L	.0703526	min	.0449147	max	.2220416
Si	2.137167	SAB	2.061229	Sf	3.136764	K	.0254378	z	.1516890	m	.0300000
n	.0700000	gam	25.771112	b-al	15.121537	the	105.12156	phi	115.77113	2-LEVEL THRUST	
N	2.0000000	w1	.2400000	w2	.0700000	w3	.0400000	SF	.0210676	LFr	.8324108
PRA	1.0400000	PRB	1.0029667	PRC	1.355574	L	.1631394	min	.0519653	max	.2190922
Si	2.849554	SAB	2.470979	Sf	3.136274	K	.1111741	z	.0559528	m	.0400000
n	.0700000	gam	25.771112	b-al	17.718849	the	107.71887	phi	115.77113		
N	2.0000000	w1	.2400000	w2	.0700000	w3	.0400000	SF	.0210676	LFr	.7925005
PRA	1.0500017	PRB	1.0024892	PRC	1.431131	L	.0918999	min	.0519653	max	.2190922
Si	2.279638	SAB	2.186024	Sf	3.136274	K	.0399346	z	.1271923	m	.0400000
n	.0700000	gam	25.771112	b-al	17.718849	the	107.71887	phi	115.77113	2-LEVEL THRUST	
N	2.0000000	w1	.2400000	w2	.0700000	w3	.0500000	SF	.0237570	LFr	.8435288
PRA	1.0500000	PRB	.9839984	PRC	1.344566	L	.1667023	min	.0585132	max	.2156400
Si	2.849547	SAB	2.525216	Sf	3.135597	K	.1081891	z	.0489378	m	.0500000
n	.0700000	gam	25.771112	b-al	20.354385	the	110.35441	phi	115.77113		
N	2.0000000	w1	.2400000	w2	.0700000	w3	.0500000	SF	.0237570	LFr	.8072481
PRA	1.0600015	PRB	.9820552	PRC	1.395640	L	.1073380	min	.0585132	max	.2156400
Si	2.374632	SAB	2.287762	Sf	3.135597	K	.0488248	z	.1083021	m	.0500000
n	.0700000	gam	25.771112	b-al	20.354385	the	110.35441	phi	115.77113	2-LEVEL THRUST	
N	2.0000000	w1	.2400000	w2	.0700000	w3	.0500000	SF	.0237570	LFr	.7813330
PRA	1.0650750	PRB	.9754874	PRC	1.524768	L	.0649338	min	.0585132	max	.2156400
Si	2.035399	SAB	2.108117	Sf	3.135597	K	.0064206	z	.1507062	m	.0500000
n	.0700000	gam	25.771112	b-al	20.354385	the	110.35441	phi	115.77113	2-LEVEL THRUST	
N	2.0000000	w1	.2400000	w2	.0800000	w3	.0200000	SF	.0232878	LFr	.8227034
PRA	1.0200000	PRB	1.0711965	PRC	1.320416	L	.1586742	min	.0425161	max	.2245089
Si	2.849568	SAB	2.351862	Sf	3.135557	K	.1161582	z	.0658347	m	.0200000
n	.0800000	gam	28.571587	b-al	12.555675	the	102.55570	phi	118.57161		
N	2.0000000	w1	.2400000	w2	.0800000	w3	.0300000	SF	.0246859	LFr	.8321772
PRA	1.0300000	PRB	1.0437403	PRC	1.317481	L	.1625881	min	.0500488	max	.2220416
Si	2.849548	SAB	2.404682	Sf	3.135217	K	.1125394	z	.0594535	m	.0300000
n	.0800000	gam	28.571587	b-al	15.121537	the	105.12156	phi	118.57161		

N	2.0000000	w1	.2400000	w2	.0800000	w3	.0300000	SF	.0246859	LFr	.7822895
PRA	1.0399778	PRB	1.0458318	PRC	1.463465	L	.0735397	min	.0500488	max	.2220416
Si	2.137161	SAB	2.048441	Sf	3.135217	K	.0234910	z	.1485019	m	.0300000
n	.0800000	gam	28.571587	b-al	15.121537	the	105.12156	phi	118.57161	2-LEVEL THRUST	
N	2.0000000	w1	.2400000	w2	.0800000	w3	.0400000	SF	.0266085	LFr	.8423939
PRA	1.0400000	PRB	1.0188488	PRC	1.312892	L	.1663265	min	.0570993	max	.2190922
Si	2.849548	SAB	2.458224	Sf	3.134727	K	.1092272	z	.0527656	m	.0400000
n	.0800000	gam	28.571587	b-al	17.718849	the	107.71887	phi	118.57161		
N	2.0000000	w1	.2400000	w2	.0800000	w3	.0400000	SF	.0266085	LFr	.7988567
PRA	1.0500010	PRB	1.0193060	PRC	1.415078	L	.0950890	min	.0570993	max	.2190922
Si	2.279647	SAB	2.173276	Sf	3.134727	K	.0379897	z	.1240032	m	.0400000
n	.0800000	gam	28.571587	b-al	17.718849	the	107.71887	phi	118.57161	2-LEVEL THRUST	
N	2.0000000	w1	.2400000	w2	.0800000	w3	.0500000	SF	.0292978	LFr	.8535252
PRA	1.0500000	PRB	.9970749	PRC	1.305776	L	.1698914	min	.0636472	max	.2156400
Si	2.849556	SAB	2.512469	Sf	3.134050	K	.1062442	z	.0457487	m	.0500000
n	.0800000	gam	28.571587	b-al	20.354385	the	110.35441	phi	118.57161		
N	2.0000000	w1	.2400000	w2	.0800000	w3	.0500000	SF	.0292978	LFr	.8142195
PRA	1.0600003	PRB	.9958531	PRC	1.383338	L	.1105251	min	.0636472	max	.2156400
Si	2.374626	SAB	2.275004	Sf	3.134050	K	.0468780	z	.1051149	m	.0500000
n	.0800000	gam	28.571587	b-al	20.354385	the	110.35441	phi	118.57161	2-LEVEL THRUST	
N	2.0000000	w1	.2400000	w2	.0800000	w3	.0500000	SF	.0292978	LFr	.7861443
PRA	1.0642944	PRB	.9872862	PRC	1.516119	L	.0681210	min	.0636472	max	.2156400
Si	2.035393	SAB	2.093773	Sf	3.134050	K	.0044738	z	.1475191	m	.0500000
n	.0800000	gam	28.571587	b-al	20.354385	the	110.35441	phi	118.57161	2-LEVEL THRUST	
N	2.0000000	w1	.2400000	w2	.0800000	w3	.0600000	SF	.0327568	LFr	.8654947
PRA	1.0600000	PRB	.9795406	PRC	1.294470	L	.1732845	min	.0696720	max	.2116649
Si	2.849555	SAB	2.567390	Sf	3.133150	K	.1036125	z	.0383803	m	.0600000
n	.0800000	gam	28.571587	b-al	23.035286	the	113.03531	phi	118.57161		
N	2.0000000	w1	.2400000	w2	.0800000	w3	.0600000	SF	.0327568	LFr	.8292122
PRA	1.0699889	PRB	.9773057	PRC	1.356241	L	.1223984	min	.0696720	max	.2116649
Si	2.442466	SAB	2.363817	Sf	3.133150	K	.0527264	z	.0892665	m	.0600000
n	.0800000	gam	28.571587	b-al	23.035286	the	113.03531	phi	118.57161	2-LEVEL THRUST	
N	2.0000000	w1	.2400000	w2	.0800000	w3	.0600000	SF	.0327568	LFr	.8020020
PRA	1.0758991	PRB	.9716942	PRC	1.464027	L	.0842362	min	.0696720	max	.2116649
Si	2.137168	SAB	2.202432	Sf	3.133150	K	.0145641	z	.1274287	m	.0600000
n	.0800000	gam	28.571587	b-al	23.035286	the	113.03531	phi	118.57161	2-LEVEL THRUST	
N	2.0000000	w1	.2400000	w2	.0900000	w3	.0200000	SF	.0301171	LFr	.8331738
PRA	1.0200000	PRB	1.0906126	PRC	1.277545	L	.1623345	min	.0482928	max	.2245089
Si	2.849544	SAB	2.337197	Sf	3.133575	K	.1140417	z	.0621745	m	.0200000
n	.0900000	gam	31.448751	b-al	12.555675	the	102.55570	phi	121.44877		
N	2.0000000	w1	.2400000	w2	.0900000	w3	.0300000	SF	.0315142	LFr	.8426514
PRA	1.0300000	PRB	1.0620582	PRC	1.275411	L	.1662521	min	.0558255	max	.2220416
Si	2.849554	SAB	2.390033	Sf	3.133235	K	.1104267	z	.0557895	m	.0300000
n	.0900000	gam	31.448751	b-al	15.121537	the	105.12156	phi	121.44877		
N	2.0000000	w1	.2400000	w2	.0900000	w3	.0300000	SF	.0315142	LFr	.7882290
PRA	1.0399456	PRB	1.0642790	PRC	1.447590	L	.0772038	min	.0558255	max	.2220416
Si	2.137167	SAB	2.033723	Sf	3.133235	K	.0213783	z	.1448378	m	.0300000
n	.0900000	gam	31.448751	b-al	15.121537	the	105.12156	phi	121.44877	2-LEVEL THRUST	
N	2.0000000	w1	.2400000	w2	.0900000	w3	.0400000	SF	.0334377	LFr	.8528862
PRA	1.0400000	PRB	1.0357893	PRC	1.272145	L	.1699906	min	.0628760	max	.2190922
Si	2.849554	SAB	2.443574	Sf	3.132745	K	.1071145	z	.0491026	m	.0400000
n	.0900000	gam	31.448751	b-al	17.718849	the	107.71887	phi	121.44877		

N	2.0000000	w1	.2400000	w2	.0900000	w3	.0400000	SF	.0334377	LFr	.8057194
PRA	1.0499974	PRB	1.0367628	PRC	1.399818	L	.0987511	min	.0628760	max	.2190922
Si	2.279639	SAB	2.158610	Sf	3.132745	K	.0358751	z	.1203411	m	.0400000
n	.0900000	gam	31.448751	b-al	17.718849	the	107.71887	phi	121.44877	2-LEVEL THRUST	

N	2.0000000	w1	.2400000	w2	.0900000	w3	.0500000	SF	.0361271	LFr	.8640509
PRA	1.0500000	PRB	1.0121200	PRC	1.267240	L	.1735535	min	.0694239	max	.2156400
Si	2.849547	SAB	2.497811	Sf	3.132068	K	.1041296	z	.0420866	m	.0500000
n	.0900000	gam	31.448751	b-al	20.354385	the	110.35441	phi	121.44877		

N	2.0000000	w1	.2400000	w2	.0900000	w3	.0500000	SF	.0361271	LFr	.8217220
PRA	1.0599955	PRB	1.0113714	PRC	1.370085	L	.1141873	min	.0694239	max	.2156400
Si	2.374618	SAB	2.260335	Sf	3.132068	K	.0447634	z	.1014528	m	.0500000
n	.0900000	gam	31.448751	b-al	20.354385	the	110.35441	phi	121.44877	2-LEVEL THRUST	

N	2.0000000	w1	.2400000	w2	.0900000	w3	.0500000	SF	.0361271	LFr	.7914867
PRA	1.0633381	PRB	1.0006590	PRC	1.506861	L	.0717831	min	.0694239	max	.2156400
Si	2.035384	SAB	2.077169	Sf	3.132068	K	.0023592	z	.1438570	m	.0500000
n	.0900000	gam	31.448751	b-al	20.354385	the	110.35441	phi	121.44877	2-LEVEL THRUST	

N	2.0000000	w1	.2400000	w2	.0900000	w3	.0600000	SF	.0395861	LFr	.8760729
PRA	1.0600000	PRB	.9916070	PRC	1.259867	L	.1769466	min	.0754487	max	.2116649
Si	2.849546	SAB	2.552733	Sf	3.131168	K	.1014979	z	.0347182	m	.0600000
n	.0900000	gam	31.448751	b-al	23.035286	the	113.03531	phi	121.44877		

N	2.0000000	w1	.2400000	w2	.0900000	w3	.0600000	SF	.0395861	LFr	.8372002
PRA	1.0699736	PRB	.9896421	PRC	1.346855	L	.1260624	min	.0754487	max	.2116649
Si	2.442472	SAB	2.349131	Sf	3.131168	K	.0506137	z	.0856025	m	.0600000
n	.0900000	gam	31.448751	b-al	23.035286	the	113.03531	phi	121.44877	2-LEVEL THRUST	

N	2.0000000	w1	.2400000	w2	.0900000	w3	.0600000	SF	.0395861	LFr	.8080454
PRA	1.0752346	PRB	.9824764	PRC	1.457685	L	.0878983	min	.0754487	max	.2116649
Si	2.137159	SAB	2.186354	Sf	3.131168	K	.0124495	z	.1237666	m	.0600000
n	.0900000	gam	31.448751	b-al	23.035286	the	113.03531	phi	121.44877	2-LEVEL THRUST	

N	2.0000000	w1	.2400000	w2	.0900000	w3	.0700000	SF	.0440092	LFr	.8890820
PRA	1.0700000	PRB	.9754114	PRC	1.2484087	L	.1801701	min	.0809106	max	.2071267
Si	2.849557	SAB	2.608346	Sf	3.129975	K	.0992595	z	.0269566	m	.0700000
n	.0900000	gam	31.448751	b-al	25.771112	the	115.77113	phi	121.44877		

N	2.0000000	w1	.2400000	w2	.0900000	w3	.0700000	SF	.0440092	LFr	.8527994
PRA	1.0799055	PRB	.9728357	PRC	1.324017	L	.1356449	min	.0809106	max	.2071267
Si	2.493356	SAB	2.430009	Sf	3.129975	K	.0547343	z	.0714818	m	.0700000
n	.0900000	gam	31.448751	b-al	25.771112	the	115.77113	phi	121.44877	2-LEVEL THRUST	

N	2.0000000	w1	.2400000	w2	.0900000	w3	.0700000	SF	.0440092	LFr	.8245802
PRA	1.0857721	PRB	.9677436	PRC	1.417090	L	.1010151	min	.0809106	max	.2071267
Si	2.216317	SAB	2.282355	Sf	3.129975	K	.0201045	z	.1061116	m	.0700000
n	.0900000	gam	31.448751	b-al	25.771112	the	115.77113	phi	121.44877	2-LEVEL THRUST	

N	2.0000000	w1	.2400000	w2	.1000000	w3	.0200000	SF	.0384417	LFr	.8441954
PRA	1.0200000	PRB	1.1105165	PRC	1.2376597	L	.1665325	min	.0547709	max	.2245089
Si	2.849551	SAB	2.320412	Sf	3.131043	K	.1117616	z	.0579764	m	.0200000
n	.1000000	gam	34.417214	b-al	12.555675	the	102.55570	phi	124.41724		

N	2.0000000	w1	.2400000	w2	.1000000	w3	.0300000	SF	.0398388	LFr	.8537016
PRA	1.0300000	PRB	1.0809514	PRC	1.2360745	L	.1704483	min	.0623036	max	.2220416
Si	2.849547	SAB	2.373240	Sf	3.130703	K	.1081447	z	.0515933	m	.0300000
n	.1000000	gam	34.417214	b-al	15.121537	the	105.12156	phi	124.41724		

N	2.0000000	w1	.2400000	w2	.1000000	w3	.0300000	SF	.0398388	LFr	.7947445
PRA	1.0398877	PRB	1.0826457	PRC	1.433809	L	.0813999	min	.0623036	max	.2220416
Si	2.137160	SAB	2.016806	Sf	3.130703	K	.0190963	z	.1406417	m	.0300000
n	.1000000	gam	34.417214	b-al	15.121537.	the	105.12156	phi	124.41724	2-LEVEL THRUST	

N	2.0000000	w1	.2400000	w2	.1000000	w3	.0400000	SF	.0417624	LFr	.8639813		
PRA	1.0400000	PRB	1.0535032	PRC	1.2336826	L	.1741867	min	.0693541	max	.2190922		
Si	2.849547	SAB	2.426782	Sf	3.130213	K	.1048326	z	.0449054	m	.0400000		
n	.1000000	gam	34.417214	b-al	17.718849	the	107.71887	phi	124.41724				
N	2.0000000	w1	.2400000	w2	.1000000	w3	.0400000	SF	.0417624	LFr	.8131886		
PRA	1.0499858	PRB	1.0544928	PRC	1.385963	L	.1029492	min	.0693541	max	.2190922		
Si	2.279646	SAB	2.141800	Sf	3.130213	K	.0335950	z	.1161430	m	.0400000		
n	.1000000	gam	34.417214	b-al	17.718849	the	107.71887	phi	124.41724	2-LEVEL THRUST			
N	2.0000000	w1	.2400000	w2	.1000000	w3	.0500000	SF	.0444517	LFr	.8752089		
PRA	1.0500000	PRB	1.0283596	PRC	1.2301686	L	.1777516	min	.0759020	max	.2156400		
Si	2.849555	SAB	2.481027	Sf	3.129536	K	.1018496	z	.0378885	m	.0500000		
n	.1000000	gam	34.417214	b-al	20.354385	the	110.35441	phi	124.41724				
N	2.0000000	w1	.2400000	w2	.1000000	w3	.0500000	SF	.0444517	LFr	.8298569		
PRA	1.0599829	PRB	1.0277019	PRC	1.357321	L	.1183853	min	.0759020	max	.2156400		
Si	2.374625	SAB	2.243521	Sf	3.129536	K	.0424833	z	.0972547	m	.0500000		
n	.1000000	gam	34.417214	b-al	20.354385	the	110.35441	phi	124.41724	2-LEVEL THRUST			
N	2.0000000	w1	.2400000	w2	.1000000	w3	.0500000	SF	.0444517	LFr	.7974625		
PRA	1.0621644	PRB	1.0146371	PRC	1.498734	L	.0759811	min	.0759020	max	.2156400		
Si	2.035392	SAB	2.057996	Sf	3.129536	K	.0000791	z	.1396589	m	.0500000		
n	.1000000	gam	34.417214	b-al	20.354385	the	110.35441	phi	124.41724	2-LEVEL THRUST			
N	2.0000000	w1	.2400000	w2	.1000000	w3	.0600000	SF	.0479107	LFr	.8873110		
PRA	1.0600000	PRB	1.0058400	PRC	1.2265517	L	.1811447	min	.0819269	max	.2116649		
Si	2.849554	SAB	2.535948	Sf	3.128637	K	.0992179	z	.0305201	m	.0600000		
n	.1000000	gam	34.417214	b-al	23.035286	the	113.03531	phi	124.41724	2-LEVEL THRUST			
N	2.0000000	w1	.2400000	w2	.1000000	w3	.0600000	SF	.0479107	LFr	.8458452		
PRA	1.0699479	PRB	1.0038888	PRC	1.336256	L	.1302586	min	.0819269	max	.2116649		
Si	2.442464	SAB	2.332275	Sf	3.128637	K	.0483317	z	.0814063	m	.0600000		
n	.1000000	gam	34.417214	b-al	23.035286	the	113.03531	phi	124.41724	2-LEVEL THRUST			
N	2.0000000	w1	.2400000	w2	.1000000	w3	.0600000	SF	.0479107	LFr	.8147478		
PRA	1.0744272	PRB	.9950861	PRC	1.450328	L	.0920963	min	.0819269	max	.2116649		
Si	2.137167	SAB	2.167845	Sf	3.128637	K	.0101695	z	.1195685	m	.0600000		
n	.1000000	gam	34.417214	b-al	23.035286	the	113.03531	phi	124.41724	2-LEVEL THRUST			
N	2.0000000	w1	.2400000	w2	.1000000	w3	.0700000	SF	.0523338	LFr	.9004173		
PRA	1.0700000	PRB	.9865138	PRC	1.2232808	L	.1843662	min	.0873887	max	.2071267		
Si	2.849549	SAB	2.591553	Sf	3.127444	K	.0969776	z	.0227605	m	.0700000		
n	.1000000	gam	34.417214	b-al	25.771112	the	115.77113	phi	124.41724	2-LEVEL THRUST			
N	2.0000000	w1	.2400000	w2	.1000000	w3	.0700000	SF	.0523338	LFr	.8618698		
PRA	1.0798549	PRB	.9837949	PRC	1.317376	L	.1398430	min	.0873887	max	.2071267		
Si	2.493363	SAB	2.413099	Sf	3.127444	K	.0524543	z	.0672837	m	.0700000		
n	.1000000	gam	34.417214	b-al	25.771112	the	115.77113	phi	124.41724	2-LEVEL THRUST			
N	2.0000000	w1	.2400000	w2	.1000000	w3	.0700000	SF	.0523338	LFr	.8318854		
PRA	1.0851014	PRB	.9773778	PRC	1.413306	L	.1052113	min	.0873887	max	.2071267		
Si	2.216309	SAB	2.264075	Sf	3.127444	K	.0178226	z	.1019154	m	.0700000		
n	.1000000	gam	34.417214	b-al	25.771112	the	115.77113	phi	124.41724	2-LEVEL THRUST			
N	2.0000000	w1	.2400000	w2	.1000000	w3	.0800000	SF	.0578814	LFr	.9145994		
PRA	1.0800000	PRB	.9715688	PRC	1.2150961	L	.1874199	min	.0922547	max	.2019927		
Si	2.849547	SAB	2.647832	Sf	3.125897	K	.0951652	z	.0145728	m	.0800000		
n	.1000000	gam	34.417214	b-al	28.571587	the	118.57161	phi	124.41724	2-LEVEL THRUST			
N	2.0000000	w1	.2400000	w2	.1000000	w3	.0800000	SF	.0578814	LFr	.8783178		
PRA	1.0896782	PRB	.9686138	PRC	1.296733	L	.1478424	min	.0922547	max	.2019927		
Si	2.532927	SAB	2.488706	Sf	3.125897	K	.0555877	z	.0541503	m	.0800000		
n	.1000000	gam	34.417214	b-al	28.571587	the	118.57161	phi	124.41724	2-LEVEL THRUST			

N	2.0000000	w1	.2400000	w2	.1000000	w3	.0800000	SF	.0578814	LFr	.8492918
PRA	1.0951488	PRB	.9638681	PRC	1.378968	L	.1161804	min	.0922547	max	.2019927
Si	2.279631	SAB	2.351814	Sf	3.125897	K	.0239258	z	.0858123	m	.0800000
n	.1000000	gam	34.417214	b-al	28.571587	the	118.57161	phi	124.41724	2-LEVEL THRUST	

N	2.0000000	w1	.2400000	w2	.1100000	w3	.0200000	SF	.0485134	LFr	.8558827
PRA	1.0200000	PRB	1.1309476	PRC	1.2018382	L	.1713371	min	.0620251	max	.2245089
Si	2.849549	SAB	2.301192	Sf	3.127817	K	.1093120	z	.0531718	m	.0200000
n	.1100000	gam	37.495121	b-al	12.555675	the	102.55570	phi	127.49514	2-LEVEL THRUST	

N	2.0000000	w1	.2400000	w2	.1100000	w3	.0300000	SF	.0499106	LFr	.8654499
PRA	1.0300000	PRB	1.1004038	PRC	1.2073462	L	.1752529	min	.0695578	max	.2220416
Si	2.849545	SAB	2.354020	Sf	3.127476	K	.1056951	z	.0467887	m	.0300000
n	.1100000	gam	37.495121	b-al	15.121537	the	105.12156	phi	127.49514	2-LEVEL THRUST	

N	2.0000000	w1	.2400000	w2	.1100000	w3	.0300000	SF	.0499106	LFr	.8019571
PRA	1.0397908	PRB	1.1008635	PRC	1.422329	L	.0862045	min	.0695578	max	.2220416
Si	2.137158	SAB	1.997379	Sf	3.127476	K	.0166468	z	.1358371	m	.0300000
n	.1100000	gam	37.495121	b-al	15.121537	the	105.12156	phi	127.49514	2-LEVEL THRUST	

N	2.0000000	w1	.2400000	w2	.1100000	w3	.0400000	SF	.0518341	LFr	.8758049
PRA	1.0400000	PRB	1.0718691	PRC	1.2117329	L	.1789913	min	.0766083	max	.2190922
Si	2.849545	SAB	2.407562	Sf	3.126987	K	.1023830	z	.0401008	m	.0400000
n	.1100000	gam	37.495121	b-al	17.718849	the	107.71887	phi	127.49514	2-LEVEL THRUST	

N	2.0000000	w1	.2400000	w2	.1100000	w3	.0400000	SF	.0518341	LFr	.8213835
PRA	1.0499598	PRB	1.0723203	PRC	1.373883	L	.1077538	min	.0766083	max	.2190922
Si	2.279644	SAB	2.122520	Sf	3.126987	K	.0311454	z	.1113384	m	.0400000
n	.1100000	gam	37.495121	b-al	17.718849	the	107.71887	phi	127.49514	2-LEVEL THRUST	

N	2.0000000	w1	.2400000	w2	.1100000	w3	.0500000	SF	.0545235	LFr	.8871241
PRA	1.0500000	PRB	1.0454579	PRC	1.2147069	L	.1825562	min	.0831562	max	.2156400
Si	2.849553	SAB	2.461806	Sf	3.126309	K	.0994000	z	.0330839	m	.0500000
n	.1100000	gam	37.495121	b-al	20.354385	the	110.35441	phi	127.49514	2-LEVEL THRUST	

N	2.0000000	w1	.2400000	w2	.1100000	w3	.0500000	SF	.0545235	LFr	.8387489
PRA	1.0599580	PRB	1.0444447	PRC	1.345751	L	.1231899	min	.0831562	max	.2156400
Si	2.374623	SAB	2.224241	Sf	3.126309	K	.0400337	z	.0924501	m	.0500000
n	.1100000	gam	37.495121	b-al	20.354385	the	110.35441	phi	127.49514	2-LEVEL THRUST	

N	2.0000000	w1	.2400000	w2	.1100000	w3	.0600000	SF	.0579825	LFr	.8993387
PRA	1.0600000	PRB	1.0213627	PRC	1.2158801	L	.1859493	min	.0891811	max	.2116649
Si	2.849552	SAB	2.516728	Sf	3.125410	K	.0967683	z	.0257155	m	.0600000
n	.1100000	gam	37.495121	b-al	23.035286	the	113.03531	phi	127.49514	2-LEVEL THRUST	

N	2.0000000	w1	.2400000	w2	.1100000	w3	.0600000	SF	.0579825	LFr	.8552828
PRA	1.0699057	PRB	1.0190836	PRC	1.325956	L	.1350651	min	.0891811	max	.2116649
Si	2.442478	SAB	2.312960	Sf	3.125410	K	.0458841	z	.0765998	m	.0600000
n	.1100000	gam	37.495121	b-al	23.035286	the	113.03531	phi	127.49514	2-LEVEL THRUST	

N	2.0000000	w1	.2400000	w2	.1100000	w3	.0600000	SF	.0579825	LFr	.8222399
PRA	1.0734443	PRB	1.0085008	PRC	1.443761	L	.0969010	min	.0891811	max	.2116649
Si	2.137165	SAB	2.146523	Sf	3.125410	K	.0077199	z	.1147639	m	.0600000
n	.1100000	gam	37.495121	b-al	23.035286	the	113.03531	phi	127.49514	2-LEVEL THRUST	

N	2.0000000	w1	.2400000	w2	.1100000	w3	.0700000	SF	.0624056	LFr	.9125757
PRA	1.0700000	PRB	.9999043	PRC	1.2146625	L	.1891709	min	.0946429	max	.2071267
Si	2.849547	SAB	2.572333	Sf	3.124217	K	.0945280	z	.0179559	m	.0700000
n	.1100000	gam	37.495121	b-al	25.771112	the	115.77113	phi	127.49514	2-LEVEL THRUST	

N	2.0000000	w1	.2400000	w2	.1100000	w3	.0700000	SF	.0624056	LFr	.8717594
PRA	1.0797838	PRB	.9968216	PRC	1.309345	L	.1446476	min	.0946429	max	.2071267
Si	2.493361	SAB	2.393701	Sf	3.124217	K	.0500047	z	.0624791	m	.0700000
n	.1100000	gam	37.495121	b-al	25.771112	the	115.77113	phi	127.49514	2-LEVEL THRUST	

N	2.0000000	w1	.2400000	w2	.1100000	w3	.0700000	SF	.0624056	LFr	.8400116		
PRA	1.0842931	PRB	.9890374	PRC	1.408273	L	.1100159	min	.0946429	max	.2071267		
Si	2.216307	SAB	2.243063	Sf	3.124217	K	.0153730	z	.0971108	m	.0700000		
n	.1100000	gam	37.495121	b-al	25.771112	the	115.77113	phi	127.49514	2-LEVEL THRUST			
N	2.0000000	w1	.2400000	w2	.1100000	w3	.0800000	SF	.0679522	LFr	.9269095		
PRA	1.0800000	PRB	.9816739	PRC	1.2101311	L	.1922245	min	.0995089	max	.2019927		
Si	2.849545	SAB	2.628612	Sf	3.122670	K	.0927156	z	.0097682	m	.0800000		
n	.1100000	gam	37.495121	b-al	28.571587	the	118.57161	phi	127.49514	2-LEVEL THRUST			
N	2.0000000	w1	.2400000	w2	.1100000	w3	.0800000	SF	.0679522	LFr	.8886137		
PRA	1.0895682	PRB	.9782645	PRC	1.292739	L	.1526489	min	.0995089	max	.2019927		
Si	2.532941	SAB	2.469216	Sf	3.122670	K	.0531401	z	.0493438	m	.0800000		
n	.1100000	gam	37.495121	b-al	28.571587	the	118.57161	phi	127.49514	2-LEVEL THRUST			
N	2.0000000	w1	.2400000	w2	.1100000	w3	.0800000	SF	.0679522	LFr	.8579760		
PRA	1.0944115	PRB	.9723300	PRC	1.377796	L	.1209869	min	.0995089	max	.2019927		
Si	2.279645	SAB	2.330922	Sf	3.122670	K	.0214781	z	.0810058	m	.0800000		
n	.1100000	gam	37.495121	b-al	28.571587	the	118.57161	phi	127.49514	2-LEVEL THRUST			
N	2.0000000	w1	.2400000	w2	.1100000	w3	.0900000	SF	.0747604	LFr	.9424048		
PRA	1.0900000	PRB	.9678890	PRC	1.2005741	L	.1951122	min	.1037324	max	.1962162		
Si	2.849554	SAB	2.685566	Sf	3.120688	K	.0913799	z	.0011039	m	.0900000		
n	.1100000	gam	37.495121	b-al	31.448751	the	121.44877	phi	127.49514	2-LEVEL THRUST			
N	2.0000000	w1	.2400000	w2	.1100000	w3	.0900000	SF	.0747604	LFr	.9061232		
PRA	1.0992492	PRB	.9646150	PRC	1.273105	L	.1594925	min	.1037324	max	.1962162		
Si	2.564597	SAB	2.541161	Sf	3.120688	K	.0557602	z	.0367237	m	.0900000		
n	.1100000	gam	37.495121	b-al	31.448751	the	121.44877	phi	127.49514	2-LEVEL THRUST			
N	2.0000000	w1	.2400000	w2	.1100000	w3	.0900000	SF	.0747604	LFr	.8764362		
PRA	1.1041803	PRB	.9601337	PRC	1.347014	L	.1303482	min	.1037324	max	.1962162		
Si	2.331442	SAB	2.412940	Sf	3.120688	K	.0266159	z	.0658680	m	.0900000		
n	.1100000	gam	37.495121	b-al	31.448751	the	121.44877	phi	127.49514	2-LEVEL THRUST			
N	2.0000000	w1	.2400000	w2	.1100000	w3	.0900000	SF	.0747604	LFr	.8517008		
PRA	1.1001063	PRB	.9544573	PRC	1.429734	L	.1060639	min	.1037324	max	.1962162		
Si	2.137167	SAB	2.286856	Sf	3.120688	K	.0023315	z	.0901523	m	.0900000		
n	.1100000	gam	37.495121	b-al	31.448751	the	121.44877	phi	127.49514	2-LEVEL THRUST			
N	2.0000000	w1	.2400000	w2	.1200000	w3	.0200000	SF	.0606442	LFr	.8683853		
PRA	1.0200000	PRB	1.1519488	PRC	1.1897638	L	.1768437	min	.0701524	max	.2245089		
Si	2.849541	SAB	2.279158	Sf	3.123693	K	.1066913	z	.0476653	m	.0200000		
n	.1200000	gam	40.705626	b-al	12.555675	the	102.55570	phi	130.70565	2-LEVEL THRUST			
N	2.0000000	w1	.2400000	w2	.1200000	w3	.0300000	SF	.0620413	LFr	.8780489		
PRA	1.0300000	PRB	1.1203923	PRC	1.1954284	L	.1807613	min	.0776851	max	.2220416		
Si	2.849552	SAB	2.331993	Sf	3.123352	K	.1030763	z	.0412803	m	.0300000		
n	.1200000	gam	40.705626	b-al	15.121537	the	105.12156	phi	130.70565	2-LEVEL THRUST			
N	2.0000000	w1	.2400000	w2	.1200000	w3	.0300000	SF	.0620413	LFr	.8100205		
PRA	1.0396370	PRB	1.1189133	PRC	1.413358	L	.0917130	min	.0776851	max	.2220416		
Si	2.137165	SAB	1.975024	Sf	3.123352	K	.0140279	z	.1303287	m	.0300000		
n	.1200000	gam	40.705626	b-al	15.121537	the	105.12156	phi	130.70565	2-LEVEL THRUST			
N	2.0000000	w1	.2400000	w2	.1200000	w3	.0400000	SF	.0639649	LFr	.8885174		
PRA	1.0400000	PRB	1.0907790	PRC	1.2001356	L	.1844997	min	.0847356	max	.2190922		
Si	2.849552	SAB	2.385535	Sf	3.122863	K	.0997641	z	.0345924	m	.0400000		
n	.1200000	gam	40.705626	b-al	17.718849	the	107.71887	phi	130.70565	2-LEVEL THRUST			
N	2.0000000	w1	.2400000	w2	.1200000	w3	.0400000	SF	.0639649	LFr	.8304663		
PRA	1.0499105	PRB	1.0901740	PRC	1.363832	L	.1132603	min	.0847356	max	.2190922		
Si	2.279636	SAB	2.100373	Sf	3.122863	K	.0285247	z	.1058319	m	.0400000		
n	.1200000	gam	40.705626	b-al	17.718849	the	107.71887	phi	130.70565	2-LEVEL THRUST			

N	2.0000000	w1	.2400000	w2	.1200000	w3	.0500000	SF	.0666542	LFr	.8999634
PRA	1.0500000	PRB	1.0631799	PRC	1.2036567	L	.1880627	min	.0912835	max	.2156400
Si	2.849545	SAB	2.439772	Sf	3.122185	K	.0967792	z	.0275774	m	.0500000
n	.1200000	gam	40.705626	b-al	20.354385	the	110.35441	phi	130.70565	2-LEVEL THRUST	

N	2.0000000	w1	.2400000	w2	.1200000	w3	.0500000	SF	.0666542	LFr	.8485661
PRA	1.0599132	PRB	1.0614143	PRC	1.335780	L	.1286984	min	.0912835	max	.2156400
Si	2.374630	SAB	2.202108	Sf	3.122185	K	.0374149	z	.0869417	m	.0500000
n	.1200000	gam	40.705626	b-al	20.354385	the	110.35441	phi	130.70565	2-LEVEL THRUST	

N	2.0000000	w1	.2400000	w2	.1200000	w3	.0600000	SF	.0701132	LFr	.9123240
PRA	1.0600000	PRB	1.0377135	PRC	1.2056953	L	.1914578	min	.0973084	max	.2116649
Si	2.849559	SAB	2.494701	Sf	3.121286	K	.0941494	z	.0202071	m	.0600000
n	.1200000	gam	40.705626	b-al	23.035286	the	113.03531	phi	130.70565	2-LEVEL THRUST	

N	2.0000000	w1	.2400000	w2	.1200000	w3	.0600000	SF	.0701132	LFr	.8656750
PRA	1.0698413	PRB	1.0348033	PRC	1.316724	L	.1405716	min	.0973084	max	.2116649
Si	2.442469	SAB	2.290768	Sf	3.121286	K	.0432633	z	.0710933	m	.0600000
n	.1200000	gam	40.705626	b-al	23.035286	the	113.03531	phi	130.70565	2-LEVEL THRUST	

N	2.0000000	w1	.2400000	w2	.1200000	w3	.0600000	SF	.0701132	LFr	.8306894
PRA	1.0722434	PRB	1.0222552	PRC	1.438947	L	.1024075	min	.0973084	max	.2116649
Si	2.137156	SAB	2.121922	Sf	3.121286	K	.0050991	z	.1092574	m	.0600000
n	.1200000	gam	40.705626	b-al	23.035286	the	113.03531	phi	130.70565	2-LEVEL THRUST	

N	2.0000000	w1	.2400000	w2	.1200000	w3	.0700000	SF	.0745363	LFr	.9257288
PRA	1.0700000	PRB	1.0145763	PRC	1.2058423	L	.1946793	min	.1027702	max	.2071267
Si	2.849554	SAB	2.550306	Sf	3.120093	K	.0919091	z	.0124474	m	.0700000
n	.1200000	gam	40.705626	b-al	25.771112	the	115.77113	phi	130.70565	2-LEVEL THRUST	

N	2.0000000	w1	.2400000	w2	.1200000	w3	.0700000	SF	.0745363	LFr	.8826437
PRA	1.0796851	PRB	1.0109160	PRC	1.301500	L	.1501541	min	.1027702	max	.2071267
Si	2.493353	SAB	2.371420	Sf	3.120093	K	.0473839	z	.0569726	m	.0700000
n	.1200000	gam	40.705626	b-al	25.771112	the	115.77113	phi	130.70565	2-LEVEL THRUST	

N	2.0000000	w1	.2400000	w2	.1200000	w3	.0700000	SF	.0745363	LFr	.8491335
PRA	1.0833168	PRB	1.0016622	PRC	1.403827	L	.1155243	min	.1027702	max	.2071267
Si	2.216314	SAB	2.218874	Sf	3.120093	K	.0127541	z	.0916024	m	.0700000
n	.1200000	gam	40.705626	b-al	25.771112	the	115.77113	phi	130.70565	2-LEVEL THRUST	

N	2.0000000	w1	.2400000	w2	.1200000	w3	.0800000	SF	.0800829	LFr	.9402514
PRA	1.0800000	PRB	.9941031	PRC	1.2035076	L	.1977329	min	.1076362	max	.2019927
Si	2.849552	SAB	2.606585	Sf	3.118546	K	.0900968	z	.0042598	m	.0800000
n	.1200000	gam	40.705626	b-al	28.571587	the	118.57161	phi	130.70565	2-LEVEL THRUST	

N	2.0000000	w1	.2400000	w2	.1200000	w3	.0800000	SF	.0800829	LFr	.8999386
PRA	1.0894256	PRB	.9901301	PRC	1.287235	L	.1581555	min	.1076362	max	.2019927
Si	2.532932	SAB	2.446820	Sf	3.118546	K	.0505193	z	.0438372	m	.0800000
n	.1200000	gam	40.705626	b-al	28.571587	the	118.57161	phi	130.70565	2-LEVEL THRUST	

N	2.0000000	w1	.2400000	w2	.1200000	w3	.0800000	SF	.0800829	LFr	.8676872
PRA	1.0935299	PRB	.9829905	PRC	1.375240	L	.1264935	min	.1076362	max	.2019927
Si	2.279636	SAB	2.306877	Sf	3.118546	K	.0188573	z	.0754992	m	.0800000
n	.1200000	gam	40.705626	b-al	28.571587	the	118.57161	phi	130.70565	2-LEVEL THRUST	

N	2.0000000	w1	.2400000	w2	.1200000	w3	.0900000	SF	.0868912	LFr	.9178610
PRA	1.0990572	PRB	.9730246	PRC	1.271708	L	.1649990	min	.1118597	max	.1962162
Si	2.564588	SAB	2.518633	Sf	3.116564	K	.0531394	z	.0312172	m	.0900000
n	.1200000	gam	40.705626	b-al	31.448751	the	121.44877	phi	130.70565	2-LEVEL THRUST	

N	2.0000000	w1	.2400000	w2	.1200000	w3	.0900000	SF	.0868912	LFr	.8866930
PRA	1.1033379	PRB	.9674447	PRC	1.348475	L	.1358566	min	.1118597	max	.1962162
Si	2.331449	SAB	2.388950	Sf	3.116564	K	.0239970	z	.0603595	m	.0900000
n	.1200000	gam	40.705626	b-al	31.448751	the	121.44877	phi	130.70565	2-LEVEL THRUST	

N	2.0000000	wl	.2400000	w2	.1200000	w3	.1000000	SF	.0952053	LFr	.9367256
PRA	1.1085911	PRB	.9608166	PRC	1.252338	L	.1709576	min	.1153815	max	.1897380
Si	2.590505	SAB	2.587980	Sf	3.114032	K	.0555761	z	.0187805	m	.1000000
n	.1200000	gam	40.705626	b-al	34.417214	the	124.41724	phi	130.70565	2-LEVEL THRUST	
N	2.0000000	wl	.2400000	w2	.1200000	w3	.1000000	SF	.0952053	LFr	.9064903
PRA	1.1129452	PRB	.9565533	PRC	1.319642	L	.1439724	min	.1153815	max	.1897380
Si	2.374623	SAB	2.466936	Sf	3.114032	K	.0285909	z	.0457656	m	.1000000
n	.1200000	gam	40.705626	b-al	34.417214	the	124.41724	phi	130.70565	2-LEVEL THRUST	
N	2.0000000	wl	.2400000	w2	.1200000	w3	.1000000	SF	.0952053	LFr	.8809071
PRA	1.1095994	PRB	.9513620	PRC	1.394267	L	.1211395	min	.1153815	max	.1897380
Si	2.191960	SAB	2.347640	Sf	3.114032	K	.0057580	z	.0685985	m	.1000000
n	.1200000	gam	40.705626	b-al	34.417214	the	124.41724	phi	130.70565	2-LEVEL THRUST	
N	2.0000000	wl	.2400000	w2	.1300000	w3	.0200000	SF	.0752192	LFr	.8818941
PRA	1.0200000	PRB	1.1735218	PRC	1.1790167	L	.1831799	min	.0792816	max	.2245089
Si	2.849545	SAB	2.253817	Sf	3.118385	K	.1038983	z	.0413291	m	.0200000
n	.1300000	gam	44.079178	b-al	12.555675	the	102.55570	phi	134.07920	2-LEVEL THRUST	
N	2.0000000	wl	.2400000	w2	.1300000	w3	.0300000	SF	.0766173	LFr	.8916969
PRA	1.0300000	PRB	1.1408844	PRC	1.1848367	L	.1870976	min	.0868143	max	.2220416
Si	2.849556	SAB	2.306652	Sf	3.118044	K	.1002833	z	.0349441	m	.0300000
n	.1300000	gam	44.079178	b-al	15.121537	the	105.12156	phi	134.07920	2-LEVEL THRUST	
N	2.0000000	wl	.2400000	w2	.1300000	w3	.0300000	SF	.0766173	LFr	.8191338
PRA	1.0394025	PRB	1.1368084	PRC	1.407158	L	.0980492	min	.0868143	max	.2220416
Si	2.137168	SAB	1.949181	Sf	3.118044	K	.0112349	z	.1239924	m	.0300000
n	.1300000	gam	44.079178	b-al	15.121537	the	105.12156	phi	134.07920	2-LEVEL THRUST	
N	2.0000000	wl	.2400000	w2	.1300000	w3	.0400000	SF	.0785399	LFr	.9023190
PRA	1.0400000	PRB	1.1101618	PRC	1.1898167	L	.1908360	min	.0938648	max	.2190922
Si	2.849556	SAB	2.360194	Sf	3.117554	K	.0969712	z	.0282562	m	.0400000
n	.1300000	gam	44.079178	b-al	17.718849	the	107.71887	phi	134.07920	2-LEVEL THRUST	
N	2.0000000	wl	.2400000	w2	.1300000	w3	.0400000	SF	.0785399	LFr	.8406391
PRA	1.0498250	PRB	1.1080403	PRC	1.356047	L	.1195965	min	.0938648	max	.2190922
Si	2.279640	SAB	2.074837	Sf	3.117554	K	.0257317	z	.0994957	m	.0400000
n	.1300000	gam	44.079178	b-al	17.718849	the	107.71887	phi	134.07920	2-LEVEL THRUST	
N	2.0000000	wl	.2400000	w2	.1300000	w3	.0500000	SF	.0812292	LFr	.9139357
PRA	1.0500000	PRB	1.0813934	PRC	1.1937713	L	.1943989	min	.1004127	max	.2156400
Si	2.849548	SAB	2.414431	Sf	3.116877	K	.0939862	z	.0212411	m	.0500000
n	.1300000	gam	44.079178	b-al	20.354385	the	110.35441	phi	134.07920	2-LEVEL THRUST	
N	2.0000000	wl	.2400000	w2	.1300000	w3	.0500000	SF	.0812292	LFr	.8595123
PRA	1.0598396	PRB	1.0785267	PRC	1.327741	L	.1350327	min	.1004127	max	.2156400
Si	2.374619	SAB	2.176584	Sf	3.116877	K	.0346200	z	.0806074	m	.0500000
n	.1300000	gam	44.079178	b-al	20.354385	the	110.35441	phi	134.07920	2-LEVEL THRUST	
N	2.0000000	wl	.2400000	w2	.1300000	w3	.0600000	SF	.0846882	LFr	.9264851
PRA	1.0600000	PRB	1.0546551	PRC	1.1964672	L	.1977921	min	.1064375	max	.2116649
Si	2.849547	SAB	2.469353	Sf	3.115978	K	.0913546	z	.0138728	m	.0600000
n	.1300000	gam	44.079178	b-al	23.035286	the	113.03531	phi	134.07920	2-LEVEL THRUST	
N	2.0000000	wl	.2400000	w2	.1300000	w3	.0600000	SF	.0846882	LFr	.8772459
PRA	1.0697451	PRB	1.0508485	PRC	1.309029	L	.1469078	min	.1064375	max	.2116649
Si	2.442473	SAB	2.265193	Sf	3.115978	K	.0404703	z	.0647571	m	.0600000
n	.1300000	gam	44.079178	b-al	23.035286	the	113.03531	phi	134.07920	2-LEVEL THRUST	
N	2.0000000	wl	.2400000	w2	.1300000	w3	.0600000	SF	.0846882	LFr	.8403158
PRA	1.0707693	PRB	1.0361036	PRC	1.436589	L	.1087437	min	.1064375	max	.2116649
Si	2.137160	SAB	2.093431	Sf	3.115978	K	.0023062	z	.1029212	m	.0600000
n	.1300000	gam	44.079178	b-al	23.035286	the	113.03531	phi	134.07920	2-LEVEL THRUST	

N	2.0000000	w1	.2400000	w2	.1300000	w3	.0700000	SF	.0891123	LFr	.9400988		
PRA	1.0700000	PRB	1.0300679	PRC	1.1975862	L	.2010155	min	.1118994	max	.2071267		
Si	2.849558	SAB	2.524965	Sf	3.114785	K	.0891161	z	.0061112	m	.0700000		
n	.1300000	gam	44.079178	b-al	25.771112	the	115.77113	phi	134.07920	2-LEVEL THRUST			
N	2.0000000	w1	.2400000	w2	.1300000	w3	.0700000	SF	.0891123	LFr	.8947458		
PRA	1.0795499	PRB	1.0256349	PRC	1.294658	L	.1564903	min	.1118994	max	.2071267		
Si	2.493357	SAB	2.345742	Sf	3.114785	K	.0445910	z	.0506364	m	.0700000		
n	.1300000	gam	44.079178	b-al	25.771112	the	115.77113	phi	134.07920	2-LEVEL THRUST			
N	2.0000000	w1	.2400000	w2	.1300000	w3	.0700000	SF	.0891123	LFr	.8594723		
PRA	1.0821337	PRB	1.0147664	PRC	1.400997	L	.1218605	min	.1118994	max	.2071267		
Si	2.216318	SAB	2.190911	Sf	3.114785	K	.0099612	z	.0852662	m	.0700000		
n	.1300000	gam	44.079178	b-al	25.771112	the	115.77113	phi	134.07920	2-LEVEL THRUST			
N	2.0000000	w1	.2400000	w2	.1300000	w3	.0800000	SF	.0946589	LFr	.9125223		
PRA	1.0892406	PRB	1.0031746	PRC	1.281856	L	.1644917	min	.1167654	max	.2019927		
Si	2.532936	SAB	2.421010	Sf	3.113238	K	.0477263	z	.0375010	m	.0800000		
n	.1300000	gam	44.079178	b-al	28.571587	the	118.57161	phi	134.07920	2-LEVEL THRUST			
N	2.0000000	w1	.2400000	w2	.1300000	w3	.0800000	SF	.0946589	LFr	.8786593		
PRA	1.0924728	PRB	.9947514	PRC	1.373186	L	.1328297	min	.1167654	max	.2019927		
Si	2.279640	SAB	2.279126	Sf	3.113238	K	.0160643	z	.0691630	m	.0800000		
n	.1300000	gam	44.079178	b-al	28.571587	the	118.57161	phi	134.07920	2-LEVEL THRUST			
N	2.0000000	w1	.2400000	w2	.1300000	w3	.0900000	SF	.1014662	LFr	.9309015		
PRA	1.0988171	PRB	.9837860	PRC	1.268730	L	.1713352	min	.1209888	max	.1962162		
Si	2.564592	SAB	2.492677	Sf	3.111256	K	.0503464	z	.0248809	m	.0900000		
n	.1300000	gam	44.079178	b-al	31.448751	the	121.44877	phi	134.07920	2-LEVEL THRUST			
N	2.0000000	w1	.2400000	w2	.1300000	w3	.0900000	SF	.1014662	LFr	.8982487		
PRA	1.1023376	PRB	.9771067	PRC	1.348487	L	.1421929	min	.1209888	max	.1962162		
Si	2.331453	SAB	2.361277	Sf	3.111256	K	.0212040	z	.0540233	m	.0900000		
n	.1300000	gam	44.079178	b-al	31.448751	the	121.44877	phi	134.07920	2-LEVEL THRUST			
N	2.0000000	w1	.2400000	w2	.1300000	w3	.1000000	SF	.1097803	LFr	.9502106		
PRA	1.1082955	PRB	.9680464	PRC	1.253516	L	.1772919	min	.1245107	max	.1897380		
Si	2.590493	SAB	2.561865	Sf	3.108724	K	.0527812	z	.0124462	m	.1000000		
n	.1300000	gam	44.079178	b-al	34.417214	the	124.41724	phi	134.07920	2-LEVEL THRUST			
N	2.0000000	w1	.2400000	w2	.1300000	w3	.1000000	SF	.1097803	LFr	.9186030		
PRA	1.1119706	PRB	.9627494	PRC	1.323754	L	.1503086	min	.1245107	max	.1897380		
Si	2.374627	SAB	2.439281	Sf	3.108724	K	.0257979	z	.0394294	m	.1000000		
n	.1300000	gam	44.079178	b-al	34.417214	the	124.41724	phi	134.07920	2-LEVEL THRUST			
N	2.0000000	w1	.2400000	w2	.1300000	w3	.1000000	SF	.1097803	LFr	.8918572		
PRA	1.1071699	PRB	.9560998	PRC	1.403324	L	.1274758	min	.1245107	max	.1897380		
Si	2.191964	SAB	2.316974	Sf	3.108724	K	.0029651	z	.0622623	m	.1000000		
n	.1300000	gam	44.079178	b-al	34.417214	the	124.41724	phi	134.07920	2-LEVEL THRUST			
N	2.0000000	w1	.2400000	w2	.1300000	w3	.1100000	SF	.1198502	LFr	.9400148		
PRA	1.1215125	PRB	.9531256	PRC	1.295806	L	.1574249	min	.1272564	max	.1824837		
Si	2.411153	SAB	2.514438	Sf	3.105497	K	.0301686	z	.0250588	m	.1100000		
n	.1300000	gam	44.079178	b-al	37.495138	the	127.49516	phi	134.07920	2-LEVEL THRUST			
N	2.0000000	w1	.2400000	w2	.1300000	w3	.1100000	SF	.1198502	LFr	.9137001		
PRA	1.1185972	PRB	.9483036	PRC	1.364002	L	.1358967	min	.1272564	max	.1824837		
Si	2.238927	SAB	2.400870	Sf	3.105497	K	.0086403	z	.0465870	m	.1100000		
n	.1300000	gam	44.079178	b-al	37.495138	the	127.49516	phi	134.07920	2-LEVEL THRUST			
N	2.0000000	w1	.2400000	w2	.1400000	w3	.0200000	SF	.0927515	LFr	.8966761		
PRA	1.0200000	PRB	1.1957322	PRC	1.1697805	L	.1905155	min	.0895879	max	.2245089		
Si	2.849554	SAB	2.224483	Sf	3.111483	K	.1009277	z	.0339934	m	.0200000		
n	.1400000	gam	47.657087	b-al	12.555675	the	102.55570	phi	137.65711	2-LEVEL THRUST			

N	2.0000000	wl	.2400000	w2	.1400000	w3	.0300000	SF	.0941496	LFr	.9066658
PRA	1.0300000	PRB	1.1619241	PRC	1.1757630	L	.1944313	min	.0971206	max	.2220416
Si	2.849550	SAB	2.277311	Sf	3.111143	K	.0973108	z	.0276103	m	.0300000
n	.1400000	gam	47.657087	b-al	15.121537	the	105.12156	phi	137.65711	2-LEVEL THRUST	

N	2.0000000	wl	.2400000	w2	.1400000	w3	.0300000	SF	.0941496	LFr	.8295679
PRA	1.0390547	PRB	1.1545957	PRC	1.404084	L	.1053829	min	.0971206	max	.2220416
Si	2.137163	SAB	1.919097	Sf	3.111143	K	.0082624	z	.1166587	m	.0300000
n	.1400000	gam	47.657087	b-al	15.121537	the	105.12156	phi	137.65711	2-LEVEL THRUST	

N	2.0000000	wl	.2400000	w2	.1400000	w3	.0400000	SF	.0960732	LFr	.9174938
PRA	1.0400000	PRB	1.1300303	PRC	1.1809911	L	.1981697	min	.1041711	max	.2190922
Si	2.849550	SAB	2.330853	Sf	3.110653	K	.0939986	z	.0209224	m	.0400000
n	.1400000	gam	47.657087	b-al	17.718849	the	107.71887	phi	137.65711	2-LEVEL THRUST	

N	2.0000000	wl	.2400000	w2	.1400000	w3	.0400000	SF	.0960732	LFr	.8521862
PRA	1.0496874	PRB	1.1259529	PRC	1.350826	L	.1269302	min	.1041711	max	.2190922
Si	2.279634	SAB	2.045182	Sf	3.110653	K	.0227591	z	.0921619	m	.0400000
n	.1400000	gam	47.657087	b-al	17.718849	the	107.71887	phi	137.65711	2-LEVEL THRUST	

N	2.0000000	wl	.2400000	w2	.1400000	w3	.0500000	SF	.0987625	LFr	.9293337
PRA	1.0500000	PRB	1.1000699	PRC	1.1853061	L	.2017346	min	.1107190	max	.2156400
Si	2.849558	SAB	2.385098	Sf	3.109976	K	.0910156	z	.0139055	m	.0500000
n	.1400000	gam	47.657087	b-al	20.354385	the	110.35441	phi	137.65711	2-LEVEL THRUST	

N	2.0000000	wl	.2400000	w2	.1400000	w3	.0500000	SF	.0987625	LFr	.8718872
PRA	1.0597239	PRB	1.0957769	PRC	1.321927	L	.1423683	min	.1107190	max	.2156400
Si	2.374628	SAB	2.146977	Sf	3.109976	K	.0316493	z	.0732717	m	.0500000
n	.1400000	gam	47.657087	b-al	20.354385	the	110.35441	phi	137.65711	2-LEVEL THRUST	

N	2.0000000	wl	.2400000	w2	.1400000	w3	.0600000	SF	.1022205	LFr	.9421215
PRA	1.0600000	PRB	1.0720879	PRC	1.1885234	L	.2051277	min	.1167438	max	.2116649
Si	2.849557	SAB	2.440019	Sf	3.109076	K	.0883839	z	.0065371	m	.0600000
n	.1400000	gam	47.657087	b-al	23.035286	the	113.03531	phi	137.65711	2-LEVEL THRUST	

N	2.0000000	wl	.2400000	w2	.1400000	w3	.0600000	SF	.1022205	LFr	.8902893
PRA	1.0696066	PRB	1.0671359	PRC	1.303270	L	.1542416	min	.1167438	max	.2116649
Si	2.442467	SAB	2.235513	Sf	3.109076	K	.0374978	z	.0574233	m	.0600000
n	.1400000	gam	47.657087	b-al	23.035286	the	113.03531	phi	137.65711	2-LEVEL THRUST	

N	2.0000000	wl	.2400000	w2	.1400000	w3	.0700000	SF	.1066446	LFr	.9083729
PRA	1.0793673	PRB	1.0407658	PRC	1.289387	L	.1638241	min	.1222057	max	.2071267
Si	2.493351	SAB	2.315945	Sf	3.107883	K	.0416184	z	.0433026	m	.0700000
n	.1400000	gam	47.657087	b-al	25.771112	the	115.77113	phi	137.65711	2-LEVEL THRUST	

N	2.0000000	wl	.2400000	w2	.1400000	w3	.0700000	SF	.1066446	LFr	.8713360
PRA	1.0806922	PRB	1.0280944	PRC	1.400571	L	.1291943	min	.1222057	max	.2071267
Si	2.216312	SAB	2.158375	Sf	3.107883	K	.0069886	z	.0779324	m	.0700000
n	.1400000	gam	47.657087	b-al	25.771112	the	115.77113	phi	137.65711	2-LEVEL THRUST	

N	2.0000000	wl	.2400000	w2	.1400000	w3	.0800000	SF	.1121912	LFr	.9266834
PRA	1.0890025	PRB	1.0169280	PRC	1.277517	L	.1718254	min	.1270717	max	.2019927
Si	2.532930	SAB	2.391066	Sf	3.106337	K	.0447538	z	.0301673	m	.0800000
n	.1400000	gam	47.657087	b-al	28.571587	the	118.57161	phi	137.65711	2-LEVEL THRUST	

N	2.0000000	wl	.2400000	w2	.1400000	w3	.0800000	SF	.1121912	LFr	.8912077
PRA	1.0911999	PRB	1.0070992	PRC	1.372764	L	.1401634	min	.1270717	max	.2019927
Si	2.279634	SAB	2.246883	Sf	3.106337	K	.0130918	z	.0618293	m	.0800000
n	.1400000	gam	47.657087	b-al	28.571587	the	118.57161	phi	137.65711	2-LEVEL THRUST	

N	2.0000000	wl	.2400000	w2	.1400000	w3	.0900000	SF	.1189985	LFr	.9455710
PRA	1.0985176	PRB	.9958238	PRC	1.265899	L	.1786709	min	.1312951	max	.1962162
Si	2.564602	SAB	2.462576	Sf	3.104354	K	.0473758	z	.0175453	m	.0900000
n	.1400000	gam	47.657087	b-al	31.448751	the	121.44877	phi	137.65711	2-LEVEL THRUST	

N	2.0000000	wl	.2400000	w2	.1400000	w3	.0900000	SF	.1189985	LFr	.9114323		
PRA	1.1011451	PRB	.9879800	PRC	1.349040	L	.1495266	min	.1312951	max	.1962162		
Si	2.331447	SAB	2.329155	Sf	3.104354	K	.0182315	z	.0466896	m	.0900000		
n	.1400000	gam	47.657087	b-al	31.448751	the	121.44877	phi	137.65711	2-LEVEL THRUST			
N	2.0000000	wl	.2400000	w2	.1400000	w3	.1000000	SF	.1273136	LFr	.9653778		
PRA	1.1079347	PRB	.9777556	PRC	1.253118	L	.1846275	min	.1348170	max	.1897380		
Si	2.590503	SAB	2.531598	Sf	3.101823	K	.0498105	z	.0051105	m	.1000000		
n	.1400000	gam	47.657087	b-al	34.417214	the	124.41724	phi	137.65711	2-LEVEL THRUST			
N	2.0000000	wl	.2400000	w2	.1400000	w3	.1000000	SF	.1273136	LFr	.9323940		
PRA	1.1108189	PRB	.9714315	PRC	1.326453	L	.1576424	min	.1348170	max	.1897380		
Si	2.374621	SAB	2.407205	Sf	3.101823	K	.0228254	z	.0320957	m	.1000000		
n	.1400000	gam	47.657087	b-al	34.417214	the	124.41724	phi	137.65711	2-LEVEL THRUST			
N	2.0000000	wl	.2400000	w2	.1400000	w3	.1100000	SF	.1373835	LFr	.9544039		
PRA	1.1203857	PRB	.9582442	PRC	1.302623	L	.1647606	min	.1375627	max	.1824837		
Si	2.411162	SAB	2.482389	Sf	3.098596	K	.0271979	z	.0177231	m	.1100000		
n	.1400000	gam	47.657087	b-al	37.495138	the	127.49516	phi	137.65711	2-LEVEL THRUST			
N	2.0000000	wl	.2400000	w2	.1400000	w3	.1100000	SF	.1373835	LFr	.9269934		
PRA	1.1160805	PRB	.9520918	PRC	1.375590	L	.1432324	min	.1375627	max	.1824837		
Si	2.238936	SAB	2.365904	Sf	3.098596	K	.0056697	z	.0392514	m	.1100000		
n	.1400000	gam	47.657087	b-al	37.495138	the	127.49516	phi	137.65711	2-LEVEL THRUST			
N	2.0000000	wl	.2400000	w2	.1400000	w3	.1200000	SF	.1495152	LFr	.9777708		
PRA	1.1299624	PRB	.9498320	PRC	1.274772	L	.1710548	min	.1394355	max	.1743565		
Si	2.442474	SAB	2.555684	Sf	3.094472	K	.0316194	z	.0033017	m	.1200000		
n	.1400000	gam	47.657087	b-al	40.705625	the	130.70565	phi	137.65711	2-LEVEL THRUST			
N	2.0000000	wl	.2400000	w2	.1400000	w3	.1200000	SF	.1495152	LFr	.9508171		
PRA	1.1273701	PRB	.9453071	PRC	1.337660	L	.1506996	min	.1394355	max	.1743565		
Si	2.279632	SAB	2.447191	Sf	3.094472	K	.0112642	z	.0236569	m	.1200000		
n	.1400000	gam	47.657087	b-al	40.705625	the	130.70565	phi	137.65711	2-LEVEL THRUST			
N	2.0000000	wl	.2400000	w2	.1500000	w3	.0200000	SF	.1139660	LFr	.9131060		
PRA	1.0200000	PRB	1.2187488	PRC	1.1622510	L	.1990986	min	.1013294	max	.2245089		
Si	2.849550	SAB	2.190147	Sf	3.102326	K	.0977693	z	.0254103	m	.0200000		
n	.1500000	gam	51.49979	b-al	12.555675	the	102.55570	phi	141.49981	2-LEVEL THRUST			
N	2.0000000	wl	.2400000	w2	.1500000	w3	.0300000	SF	.1153641	LFr	.9233503		
PRA	1.0300000	PRB	1.1836454	PRC	1.1684017	L	.2030163	min	.1088621	max	.2220416		
Si	2.849561	SAB	2.242983	Sf	3.101985	K	.0941543	z	.0190253	m	.0300000		
n	.1500000	gam	51.49979	b-al	15.121537	the	105.12156	phi	141.49981	2-LEVEL THRUST			
N	2.0000000	wl	.2400000	w2	.1500000	w3	.0300000	SF	.1153641	LFr	.8417149		
PRA	1.0385493	PRB	1.1723698	PRC	1.404649	L	.1139660	min	.1088621	max	.2220416		
Si	2.137159	SAB	1.883681	Sf	3.101985	K	.0051040	z	.1080756	m	.0300000		
n	.1500000	gam	51.49979	b-al	15.121537	the	105.12156	phi	141.49981	2-LEVEL THRUST			
N	2.0000000	wl	.2400000	w2	.1500000	w3	.0400000	SF	.1172867	LFr	.9344444		
PRA	1.0400000	PRB	1.1504833	PRC	1.1738733	L	.2067528	min	.1159126	max	.2190922		
Si	2.849546	SAB	2.296517	Sf	3.101496	K	.0908402	z	.0123394	m	.0400000		
n	.1500000	gam	51.49979	b-al	17.718849	the	107.71887	phi	141.49981	2-LEVEL THRUST			
N	2.0000000	wl	.2400000	w2	.1500000	w3	.0400000	SF	.1172867	LFr	.8655110		
PRA	1.0494747	PRB	1.1440077	PRC	1.348548	L	.1355152	min	.1159126	max	.2190922		
Si	2.279645	SAB	2.010369	Sf	3.101496	K	.0196026	z	.0835769	m	.0400000		
n	.1500000	gam	51.49979	b-al	17.718849	the	107.71887	phi	141.49981	2-LEVEL THRUST			
N	2.0000000	wl	.2400000	w2	.1500000	w3	.0500000	SF	.1199761	LFr	.9465704		
PRA	1.0500000	PRB	1.1192657	PRC	1.1785134	L	.2103176	min	.1224605	max	.2156400		
Si	2.849554	SAB	2.350762	Sf	3.100818	K	.0878572	z	.0053224	m	.0500000		
n	.1500000	gam	51.49979	b-al	20.354385	the	110.35441	phi	141.49981	2-LEVEL THRUST			

N	2.0000000	wl	.2400000	w2	.1500000	w3	.0500000	SF	.1199761	LFr	.8860998		
PRA	1.0595504	PRB	1.1132217	PRC	1.318724	L	.1509514	min	.1224605	max	.2156400		
Si	2.374624	SAB	2.112229	Sf	3.100818	K	.0284909	z	.0646886	m	.0500000		
n	.1500000	gam	51.49979	b-al	20.354385	the	110.35441	phi	141.49981	2-LEVEL THRUST			
N	2.0000000	wl	.2400000	w2	.1500000	w3	.0600000	SF	.1234350	LFr	.9052391		
PRA	1.0694104	PRB	1.0836683	PRC	1.299846	L	.1628265	min	.1284853	max	.2116649		
Si	2.442479	SAB	2.200706	Sf	3.099919	K	.0343412	z	.0488383	m	.0600000		
n	.1500000	gam	51.49979	b-al	23.035286	the	113.03531	phi	141.49981	2-LEVEL THRUST			
N	2.0000000	wl	.2400000	w2	.1500000	w3	.0700000	SF	.1278591	LFr	.9239702		
PRA	1.0791229	PRB	1.0562295	PRC	1.286169	L	.1724091	min	.1339472	max	.2071267		
Si	2.493362	SAB	2.281008	Sf	3.098726	K	.0384619	z	.0347176	m	.0700000		
n	.1500000	gam	51.49979	b-al	25.771112	the	115.77113	phi	141.49981	2-LEVEL THRUST			
N	2.0000000	wl	.2400000	w2	.1500000	w3	.0700000	SF	.1278591	LFr	.8851671		
PRA	1.0789243	PRB	1.0415122	PRC	1.403326	L	.1377773	min	.1339472	max	.2071267		
Si	2.216309	SAB	2.120120	Sf	3.098726	K	.0038302	z	.0693494	m	.0700000		
n	.1500000	gam	51.49979	b-al	25.771112	the	115.77113	phi	141.49981	2-LEVEL THRUST			
N	2.0000000	wl	.2400000	w2	.1500000	w3	.0800000	SF	.1334057	LFr	.9428749		
PRA	1.0886970	PRB	1.0311768	PRC	1.274871	L	.1804085	min	.1388132	max	.2019927		
Si	2.532927	SAB	2.355956	Sf	3.097179	K	.0415953	z	.0215842	m	.0800000		
n	.1500000	gam	51.49979	b-al	28.571587	the	118.57161	phi	141.49981	2-LEVEL THRUST			
N	2.0000000	wl	.2400000	w2	.1500000	w3	.0800000	SF	.1334057	LFr	.9057894		
PRA	1.0896593	PRB	1.0197777	PRC	1.374854	L	.1487484	min	.1388132	max	.2019927		
Si	2.279646	SAB	2.209044	Sf	3.097179	K	.0099353	z	.0532443	m	.0800000		
n	.1500000	gam	51.49979	b-al	28.571587	the	118.57161	phi	141.49981	2-LEVEL THRUST			
N	2.0000000	wl	.2400000	w2	.1500000	w3	.0900000	SF	.1402130	LFr	.9623337		
PRA	1.0981450	PRB	1.0086531	PRC	1.264229	L	.1872540	min	.1430366	max	.1962162		
Si	2.564598	SAB	2.427284	Sf	3.095197	K	.0442174	z	.0089622	m	.0900000		
n	.1500000	gam	51.49979	b-al	31.448751	the	121.44877	phi	141.49981	2-LEVEL THRUST			
N	2.0000000	wl	.2400000	w2	.1500000	w3	.0900000	SF	.1402130	LFr	.9267101		
PRA	1.0997166	PRB	.9995349	PRC	1.351365	L	.1581097	min	.1430366	max	.1962162		
Si	2.331444	SAB	2.291489	Sf	3.095197	K	.0150731	z	.0381065	m	.0900000		
n	.1500000	gam	51.49979	b-al	31.448751	the	121.44877	phi	141.49981	2-LEVEL THRUST			
N	2.0000000	wl	.2400000	w2	.1500000	w3	.1000000	SF	.1485272	LFr	.9483433		
PRA	1.1094517	PRB	.9814170	PRC	1.329843	L	.1662254	min	.1465585	max	.1897380		
Si	2.374617	SAB	2.369622	Sf	3.092666	K	.0196670	z	.0235126	m	.1000000		
n	.1500000	gam	51.49979	b-al	34.417214	the	124.41724	phi	141.49981	2-LEVEL THRUST			
N	2.0000000	wl	.2400000	w2	.1500000	w3	.1100000	SF	.1585970	LFr	.9710131		
PRA	1.1190586	PRB	.9659629	PRC	1.308177	L	.1733437	min	.1493042	max	.1824837		
Si	2.411158	SAB	2.444853	Sf	3.089439	K	.0240395	z	.0091400	m	.1100000		
n	.1500000	gam	51.49979	b-al	37.495138	the	127.49516	phi	141.49981	2-LEVEL THRUST			
N	2.0000000	wl	.2400000	w2	.1500000	w3	.1100000	SF	.1585970	LFr	.9425058		
PRA	1.1130932	PRB	.9584431	PRC	1.386478	L	.1518154	min	.1493042	max	.1824837		
Si	2.238932	SAB	2.324879	Sf	3.089439	K	.0025113	z	.0306683	m	.1100000		
n	.1500000	gam	51.49979	b-al	37.495138	the	127.49516	phi	141.49981	2-LEVEL THRUST			
N	2.0000000	wl	.2400000	w2	.1600000	w3	.0200000	SF	.1399174	LFr	.9317551		
PRA	1.0200000	PRB	1.2428738	PRC	1.1566720	L	.2093086	min	.1148932	max	.2245089		
Si	2.849554	SAB	2.149311	Sf	3.089844	K	.0944155	z	.0152003	m	.0200000		
n	.1600000	gam	55.69865	b-al	12.555675	the	102.55570	phi	145.69867	2-LEVEL THRUST			
N	2.0000000	wl	.2400000	w2	.1600000	w3	.0300000	SF	.1413155	LFr	.9423351		
PRA	1.0300000	PRB	1.2063016	PRC	1.1630223	L	.2132244	min	.1224259	max	.2220416		
Si	2.849550	SAB	2.202139	Sf	3.089503	K	.0907986	z	.0088172	m	.0300000		
n	.1600000	gam	55.69865	b-al	15.121537	the	105.12156	phi	145.69867	2-LEVEL THRUST			

N	2.0000000	wl	.2400000	w2	.1600000	w3	.0300000	SF	.1413155	LFr	.8561659
PRA	1.0378233	PRB	1.1902988	PRC	1.409645	L	.1241760	min	.1224259	max	.2220416
Si	2.137163	SAB	1.841293	Sf	3.089503	K	.0017502	z	.0978656	m	.0300000
n	.1600000	gam	55.69865	b-al	15.121537	the	105.12156	phi	145.69867	2-LEVEL THRUST	
N	2.0000000	wl	.2400000	w2	.1600000	w3	.0400000	SF	.1432390	LFr	.9537811
PRA	1.0400000	PRB	1.1717248	PRC	1.1687365	L	.2169628	min	.1294764	max	.2190922
Si	2.849550	SAB	2.255681	Sf	3.089014	K	.0874864	z	.0021293	m	.0400000
n	.1600000	gam	55.69865	b-al	17.718849	the	107.71887	phi	145.69867	2-LEVEL THRUST	
N	2.0000000	wl	.2400000	w2	.1600000	w3	.0400000	SF	.1432390	LFr	.8812170
PRA	1.0491575	PRB	1.1623781	PRC	1.349803	L	.1457234	min	.1294764	max	.2190922
Si	2.279634	SAB	1.968802	Sf	3.089014	K	.0162470	z	.0733688	m	.0400000
n	.1600000	gam	55.69865	b-al	17.718849	the	107.71887	phi	145.69867	2-LEVEL THRUST	
N	2.0000000	wl	.2400000	w2	.1600000	w3	.0500000	SF	.1459284	LFr	.9027815
PRA	1.0592964	PRB	1.1309970	PRC	1.318643	L	.1611614	min	.1360243	max	.2156400
Si	2.374628	SAB	2.070789	Sf	3.088336	K	.0251372	z	.0544786	m	.0500000
n	.1600000	gam	55.69865	b-al	20.354385	the	110.35441	phi	145.69867	2-LEVEL THRUST	
N	2.0000000	wl	.2400000	w2	.1600000	w3	.0600000	SF	.1493864	LFr	.9227371
PRA	1.0691377	PRB	1.1005327	PRC	1.299281	L	.1730347	min	.1420491	max	.2116649
Si	2.442468	SAB	2.159196	Sf	3.087437	K	.0309856	z	.0386302	m	.0600000
n	.1600000	gam	55.69865	b-al	23.035286	the	113.03531	phi	145.69867	2-LEVEL THRUST	
N	2.0000000	wl	.2400000	w2	.1600000	w3	.0700000	SF	.1538105	LFr	.9421969
PRA	1.0787988	PRB	1.0720478	PRC	1.285562	L	.1826172	min	.1475110	max	.2071267
Si	2.493351	SAB	2.239355	Sf	3.086244	K	.0351062	z	.0245095	m	.0700000
n	.1600000	gam	55.69865	b-al	25.771112	the	115.77113	phi	145.69867	2-LEVEL THRUST	
N	2.0000000	wl	.2400000	w2	.1600000	w3	.0700000	SF	.1538105	LFr	.9016323
PRA	1.0767352	PRB	1.0549665	PRC	1.410238	L	.1479874	min	.1475110	max	.2071267
Si	2.216313	SAB	2.074432	Sf	3.086244	K	.0004764	z	.0591393	m	.0700000
n	.1600000	gam	55.69865	b-al	25.771112	the	115.77113	phi	145.69867	2-LEVEL THRUST	
N	2.0000000	wl	.2400000	w2	.1600000	w3	.0800000	SF	.1593571	LFr	.9617834
PRA	1.0883055	PRB	1.0458493	PRC	1.274548	L	.1906185	min	.1523770	max	.2019927
Si	2.532930	SAB	2.314128	Sf	3.084697	K	.0382416	z	.0113742	m	.0800000
n	.1600000	gam	55.69865	b-al	28.571587	the	118.57161	phi	145.69867	2-LEVEL THRUST	
N	2.0000000	wl	.2400000	w2	.1600000	w3	.0800000	SF	.1593571	LFr	.9230824
PRA	1.0877787	PRB	1.0326578	PRC	1.380437	L	.1589565	min	.1523770	max	.2019927
Si	2.279634	SAB	2.163912	Sf	3.084697	K	.0065796	z	.0430362	m	.0800000
n	.1600000	gam	55.69865	b-al	28.571587	the	118.57161	phi	145.69867	2-LEVEL THRUST	
N	2.0000000	wl	.2400000	w2	.1600000	w3	.0900000	SF	.1661644	LFr	.9447880
PRA	1.0979940	PRB	1.0115071	PRC	1.356537	L	.1683197	min	.1566004	max	.1962162
Si	2.331447	SAB	2.246636	Sf	3.082715	K	.0117193	z	.0278965	m	.0900000
n	.1600000	gam	55.69865	b-al	31.448751	the	121.44877	phi	145.69867	2-LEVEL THRUST	
N	2.0000000	wl	.2400000	w2	.1700000	w3	.0200000	SF	.1723442	LFr	.9535732
PRA	1.0200000	PRB	1.268664	PRC	1.1534161	L	.2217789	min	.1309301	max	.2245089
Si	2.849550	SAB	2.099426	Sf	3.072083	K	.0908488	z	.0027300	m	.0200000
n	.1700000	gam	60.40801	b-al	12.555675	the	102.55570	phi	150.40803	2-LEVEL THRUST	
N	2.0000000	wl	.2400000	w2	.1700000	w3	.0400000	SF	.1756659	LFr	.9003267
PRA	1.0486932	PRB	1.1814035	PRC	1.355499	L	.1581955	min	.1455134	max	.2190922
Si	2.279645	SAB	1.917866	Sf	3.071253	K	.0126822	z	.0608967	m	.0400000
n	.1700000	gam	60.40801	b-al	17.718849	the	107.71887	phi	150.40803	2-LEVEL THRUST	
N	2.0000000	wl	.2400000	w2	.1700000	w3	.0500000	SF	.1783543	LFr	.9229765
PRA	1.0589319	PRB	1.1493886	PRC	1.322493	L	.1736317	min	.1520612	max	.2156400
Si	2.374624	SAB	2.020039	Sf	3.070576	K	.0215705	z	.0420084	m	.0500000
n	.1700000	gam	60.40801	b-al	20.354385	the	110.35441	phi	150.40803	2-LEVEL THRUST	

N	2.0000000	w1	.2400000	w2	.1700000	w3	.0600000	SF	.1818133	LFr	.9438667
PRA	1.0687617	PRB	1.1179477	PRC	1.302321	L	.1855068	min	.1580861	max	.2116649
Si	2.442479	SAB	2.108400	Sf	3.069677	K	.0274208	z	.0261580	m	.0600000
n	.1700000	gam	60.40801	b-al	23.035286	the	113.03531	phi	150.40803	2-LEVEL THRUST	

N	2.0000000	w1	.2400000	w2	.1700000	w3	.0700000	SF	.1862373	LFr	.9641714
PRA	1.0783696	PRB	1.0883632	PRC	1.288314	L	.1950894	min	.1635479	max	.2071267
Si	2.493362	SAB	2.188409	Sf	3.068484	K	.0315414	z	.0120374	m	.0700000
n	.1700000	gam	60.40801	b-al	25.771112	the	115.77113	phi	150.40803	2-LEVEL THRUST	

N	2.0000000	w1	.2400000	w2	.1700000	w3	.0800000	SF	.1917839	LFr	.9442406
PRA	1.0854600	PRB	1.0457195	PRC	1.390800	L	.1714287	min	.1684139	max	.2019927
Si	2.279646	SAB	2.108750	Sf	3.066937	K	.0030148	z	.0305640	m	.0800000
n	.1700000	gam	60.40801	b-al	28.571587	the	118.57161	phi	150.40803	2-LEVEL THRUST	

N	2.0000000	w1	.2400000	w2	.1800000	w3	.0400000	SF	.2178564	LFr	.9247856
PRA	1.0480210	PRB	1.2018082	PRC	1.367336	L	.1741619	min	.1652837	max	.2190922
Si	2.279640	SAB	1.852463	Sf	3.044106	K	.0088782	z	.0449302	m	.0400000
n	.1800000	gam	65.92930	b-al	17.718849	the	107.71887	phi	155.92932	2-LEVEL THRUST	

N	2.0000000	w1	.2400000	w2	.1800000	w3	.0500000	SF	.2205458	LFr	.9487019
PRA	1.0584139	PRB	1.1690064	PRC	1.331722	L	.1895981	min	.1718316	max	.2156400
Si	2.374619	SAB	1.954937	Sf	3.043429	K	.0177666	z	.0260419	m	.0500000
n	.1800000	gam	65.92930	b-al	20.354385	the	110.35441	phi	155.92932	2-LEVEL THRUST	

N	2.0000000	w1	.2400000	w2	.1800000	w3	.0600000	SF	.2240038	LFr	.9707022
PRA	1.0682464	PRB	1.1363985	PRC	1.310323	L	.2014733	min	.1778564	max	.2116649
Si	2.442473	SAB	2.043271	Sf	3.042530	K	.0236169	z	.0101916	m	.0600000
n	.1800000	gam	65.92930	b-al	23.035286	the	113.03531	phi	155.92932	2-LEVEL THRUST	

N	3.0000000	w1	.0600000	w2	.0400000	w3	.0200000	SF	.0106936	LFr	.2976370
PRA	1.0200000	PRB	.9917493	PRC	.9790252	L	.1292400	min	.0376241	max	.3954386
Si	4.348106	SAB	3.728911	Sf	3.218069	K	.0916159	z	.2305348	m	.0230940
n	.0461880	gam	9.830318	b-al	7.004632	the	97.004655	phi	99.830342		

N	3.0000000	w1	.0800000	w2	.0400000	w3	.0200000	SF	.0094118	LFr	.3713942
PRA	1.0200000	PRB	.9916065	PRC	1.0076302	L	.1398144	min	.0377778	max	.3752753
Si	4.348112	SAB	3.665471	Sf	3.185169	K	.1020366	z	.2039151	m	.0230940
n	.0461880	gam	10.339847	b-al	7.365781	the	97.365804	phi	100.33987		

N	3.0000000	w1	.0800000	w2	.0500000	w3	.0200000	SF	.0129662	LFr	.3833933
PRA	1.0200000	PRB	1.0033732	PRC	.9874798	L	.1430054	min	.0455170	max	.3752753
Si	4.348107	SAB	3.646320	Sf	3.206242	K	.0974884	z	.2011516	m	.0230940
n	.0577350	gam	11.836985	b-al	7.365781	the	97.365804	phi	101.83701		

N	3.0000000	w1	.0800000	w2	.0500000	w3	.0300000	SF	.0147905	LFr	.5082979
PRA	1.0200000	PRB	.9891527	PRC	.9833879	L	.3256245	min	.0498530	max	.3680643
Si	6.522194	SAB	4.802814	Sf	3.214983	K	.2757714	z	.0367540	m	.0346410
n	.0577350	gam	11.836985	b-al	8.849800	the	98.849823	phi	101.83701		

N	3.0000000	w1	.0800000	w2	.0500000	w3	.0300000	SF	.0147905	LFr	.3975725
PRA	1.0300000	PRB	.9859794	PRC	.9833879	L	.1444512	min	.0498530	max	.3680643
Si	4.348114	SAB	3.715774	Sf	3.214983	K	.0945981	z	.1936547	m	.0346410
n	.0577350	gam	11.836985	b-al	8.849800	the	98.849823	phi	101.83701		

N	3.0000000	w1	.0800000	w2	.0500000	w3	.0300000	SF	.0147905	LFr	.3422108
PRA	1.0378964	PRB	.9792218	PRC	1.0372159	L	.0538654	min	.0498530	max	.3680643
Si	3.261085	SAB	3.165399	Sf	3.214983	K	.0040124	z	.2721042	m	.0346410
n	.0577350	gam	11.836985	b-al	8.849800	the	98.849823	phi	101.83701	2-LEVEL THRUST	

N	3.0000000	w1	.0800000	w2	.0600000	w3	.0200000	SF	.0177031	LFr	.3954439
PRA	1.0200000	PRB	1.0163986	PRC	.9709984	L	.1463585	min	.0535206	max	.3752753
Si	4.348134	SAB	3.626228	Sf	3.239748	K	.0928379	z	.1982477	m	.0230940
n	.0692820	gam	13.342119	b-al	7.365781	the	97.365804	phi	103.34214		

N	3.0000000	w1	.0800000	w2	.0600000	w3	.0300000	SF	.0195274	LFr	.5342217
PRA	1.0200000	PRB	.9974990	PRC	.9691538	L	.3289738	min	.0578567	max	.3680643
Si	6.522175	SAB	4.782699	Sf	3.248489	K	.2711171	z	.0338534	m	.0346410
n	.0692820	gam	13.342119	b-al	8.849800	the	98.849823	phi	103.34214		

N	3.0000000	w1	.0800000	w2	.0600000	w3	.0300000	SF	.0195274	LFr	.4096575
PRA	1.0300000	PRB	.9967634	PRC	.9691538	L	.1478024	min	.0578567	max	.3680643
Si	4.348118	SAB	3.695671	Sf	3.248489	K	.0899457	z	.1907525	m	.0346410
n	.0692820	gam	13.342119	b-al	8.849800	the	98.849823	phi	103.34214		

N	3.0000000	w1	.0800000	w2	.0600000	w3	.0400000	SF	.0219984	LFr	.5169602
PRA	1.0300000	PRB	.9839186	PRC	.9656405	L	.2699185	min	.0619306	max	.3605912
Si	5.797495	SAB	4.490473	Sf	3.262107	K	.2079879	z	.0785249	m	.0461880
n	.0692820	gam	13.342119	b-al	10.339847	the	100.33987	phi	103.34214		

N	3.0000000	w1	.0800000	w2	.0600000	w3	.0400000	SF	.0219984	LFr	.4246903
PRA	1.0400000	PRB	.9808239	PRC	.9656405	L	.1491375	min	.0619306	max	.3605912
Si	4.348123	SAB	3.765788	Sf	3.262107	K	.0872069	z	.1831243	m	.0461880
n	.0692820	gam	13.342119	b-al	10.339847	the	100.33987	phi	103.34214		

N	3.0000000	w1	.0800000	w2	.0600000	w3	.0400000	SF	.0219984	LFr	.3693276
PRA	1.0494719	PRB	.9757586	PRC	1.0042107	L	.0766678	min	.0619306	max	.3605912
Si	3.478487	SAB	3.329132	Sf	3.262107	K	.0147372	z	.2458849	m	.0461880
n	.0692820	gam	13.342119	b-al	10.339847	the	100.33987	phi	103.34214	2-LEVEL THRUST	

N	3.0000000	w1	.1000000	w2	.0400000	w3	.0200000	SF	.0087385	LFr	.4419737
PRA	1.0200000	PRB	.9914585	PRC	1.0443352	L	.1504021	min	.0379488	max	.3550947
Si	4.348124	SAB	3.601957	Sf	3.169594	K	.1124533	z	.1772690	m	.0230940
n	.0461880	gam	10.905430	b-al	7.766312	the	97.766335	phi	100.90545		

N	3.0000000	wl	.1000000	w2	.0500000	w3	.0200000	SF	.0119696	LFr	.4548273		
PRA	1.0200000	PRB	1.0034334	PRC	1.0195766	L	.1536598	min	.0457980	max	.3550947		
Si	4.348129	SAB	3.582415	Sf	3.181842	K	.1078619	z	.1744477	m	.0230940		
n	.0577350	gam	12.486886	b-al	7.766312	the	97.766335	phi	102.48691				
N	3.0000000	wl	.1000000	w2	.0500000	w3	.0300000	SF	.0136595	LFr	.5805893		
PRA	1.0200000	PRB	.9890069	PRC	1.0141071	L	.3362446	min	.0500563	max	.3478061		
Si	6.522200	SAB	4.739100	Sf	3.187418	K	.2861883	z	.0100126	m	.0346410		
n	.0577350	gam	12.486886	b-al	9.332330	the	99.332353	phi	102.48691				
N	3.0000000	wl	.1000000	w2	.0500000	w3	.0300000	SF	.0136595	LFr	.4698649		
PRA	1.0300000	PRB	.9857348	PRC	1.0141071	L	.1550713	min	.0500563	max	.3478061		
Si	4.348120	SAB	3.652060	Sf	3.187418	K	.1050149	z	.1669133	m	.0346410		
n	.0577350	gam	12.486886	b-al	9.332330	the	99.332353	phi	102.48691				
N	3.0000000	wl	.1000000	w2	.0500000	w3	.0300000	SF	.0136595	LFr	.4145031		
PRA	1.0399448	PRB	.9815155	PRC	1.0447437	L	.0644856	min	.0500563	max	.3478061		
Si	3.261092	SAB	3.108366	Sf	3.187418	K	.0144292	z	.2453628	m	.0346410		
n	.0577350	gam	12.486886	b-al	9.332330	the	99.332353	phi	102.48691	2-LEVEL THRUST			
N	3.0000000	wl	.1000000	w2	.0600000	w3	.0200000	SF	.0161934	LFr	.4677477		
PRA	1.0200000	PRB	1.0166950	PRC	.9967032	L	.1570873	min	.0539276	max	.3550947		
Si	4.348122	SAB	3.561843	Sf	3.199613	K	.1031597	z	.1714794	m	.0230940		
n	.0692820	gam	14.077758	b-al	7.766312	the	97.766335	phi	104.07778				
N	3.0000000	wl	.1000000	w2	.0600000	w3	.0300000	SF	.0178833	LFr	.6073933		
PRA	1.0200000	PRB	.9974650	PRC	.9937039	L	.3396702	min	.0581860	max	.3478061		
Si	6.522171	SAB	4.718517	Sf	3.205189	K	.2814842	z	.0070459	m	.0346410		
n	.0692820	gam	14.077758	b-al	9.332330	the	99.332353	phi	104.07778				
N	3.0000000	wl	.1000000	w2	.0600000	w3	.0300000	SF	.0178833	LFr	.4828291		
PRA	1.0300000	PRB	.9967062	PRC	.9937039	L	.1584988	min	.0581860	max	.3478061		
Si	4.348114	SAB	3.631488	Sf	3.205189	K	.1003128	z	.1639450	m	.0346410		
n	.0692820	gam	14.077758	b-al	9.332330	the	99.332353.	phi	104.07778				
N	3.0000000	wl	.1000000	w2	.0600000	w3	.0300000	SF	.0178833	LFr	.4205465		
PRA	1.0394294	PRB	.9911513	PRC	1.0478566	L	.0679131	min	.0581860	max	.3478061		
Si	3.261086	SAB	3.086113	Sf	3.205189	K	.0097270	z	.2423945	m	.0346410		
n	.0692820	gam	14.077758	b-al	9.332330	the	99.332353	phi	104.07778	2-LEVEL THRUST			
N	3.0000000	wl	.1000000	w2	.0600000	w3	.0400000	SF	.0201512	LFr	.5910215		
PRA	1.0300000	PRB	.9836863	PRC	.9882732	L	.2805767	min	.0621665	max	.3402395		
Si	5.797497	SAB	4.426526	Sf	3.213566	K	.2184102	z	.0516695	m	.0461880		
n	.0692820	gam	14.077758	b-al	10.905430	the	100.90545	phi	104.07778				
N	3.0000000	wl	.1000000	w2	.0600000	w3	.0400000	SF	.0201512	LFr	.4987507		
PRA	1.0400000	PRB	.9804926	PRC	.9882732	L	.1597939	min	.0621665	max	.3402395		
Si	4.348103	SAB	3.701829	Sf	3.213566	K	.0976274	z	.1562706	m	.0461880		
n	.0692820	gam	14.077758	b-al	10.905430	the	100.90545	phi	104.07778				
N	3.0000000	wl	.1000000	w2	.0600000	w3	.0400000	SF	.0201512	LFr	.4433889		
PRA	1.0500000	PRB	.9773444	PRC	1.0064391	L	.0873261	min	.0621665	max	.3402395		
Si	3.478489	SAB	3.267022	Sf	3.213566	K	.0251596	z	.2190295	m	.0461880		
n	.0692820	gam	14.077758	b-al	10.905430	the	100.90545	phi	104.07778	2-LEVEL THRUST			
N	3.0000000	wl	.1000000	w2	.0700000	w3	.0200000	SF	.0216284	LFr	.4807711		
PRA	1.0200000	PRB	1.0307072	PRC	.9770866	L	.1607037	min	.0623621	max	.3550947		
Si	4.348108	SAB	3.540131	Sf	3.225633	K	.0983416	z	.1683476	m	.0230940		
n	.0808290	gam	15.680121	b-al	7.766312	the	97.766335	phi	105.68014				
N	3.0000000	wl	.1000000	w2	.0700000	w3	.0300000	SF	.0233183	LFr	.6343174		
PRA	1.0200000	PRB	1.0070773	PRC	.9754484	L	.3432884	min	.0666205	max	.3478061		
Si	6.522180	SAB	4.696816	Sf	3.231208	K	.2766680	z	.0039124	m	.0346410		
n	.0808290	gam	15.680121	b-al	9.332330	the	99.332353	phi	105.68014				

N	3.0000000	wl	.1000000	w2	.0700000	w3	.0300000	SF	.0233183	LFr	.4959126
PRA	1.0300000	PRB	1.0092085	PRC	.9754484	L	.1621170	min	.0666205	max	.3478061
Si	4.348123	SAB	3.609788	Sf	3.231208	K	.0954966	z	.1608115	m	.0346410
n	.0808290	gam	15.680121	b-al	9.332330	the	99.332353	phi	105.68014		
N	3.0000000	wl	.1000000	w2	.0700000	w3	.0300000	SF	.0233183	LFr	.4267101
PRA	1.0382590	PRB	1.0008062	PRC	1.0548945	L	.0715313	min	.0666205	max	.3478061
Si	3.261094	SAB	3.060596	Sf	3.231208	K	.0049109	z	.2392610	m	.0346410
n	.0808290	gam	15.680121	b-al	9.332330	the	99.332353	phi	105.68014	2-LEVEL THRUST	
N	3.0000000	wl	.1000000	w2	.0700000	w3	.0400000	SF	.0255861	LFr	.6134024
PRA	1.0300000	PRB	.9920494	PRC	.9726360	L	.2841931	min	.0706009	max	.3402395
Si	5.797483	SAB	4.404814	Sf	3.239585	K	.2135921	z	.0485377	m	.0461880
n	.0808290	gam	15.680121	b-al	10.905430	the	100.90545	phi	105.68014		
N	3.0000000	wl	.1000000	w2	.0700000	w3	.0400000	SF	.0255861	LFr	.5119057
PRA	1.0400000	PRB	.9904838	PRC	.9726360	L	.1634121	min	.0706009	max	.3402395
Si	4.348111	SAB	3.680128	Sf	3.239585	K	.0928112	z	.1531371	m	.0461880
n	.0808290	gam	15.680121	b-al	10.905430	the	100.90545	phi	105.68014		
N	3.0000000	wl	.1000000	w2	.0700000	w3	.0400000	SF	.0255861	LFr	.4510079
PRA	1.0499682	PRB	.9865086	PRC	1.0119188	L	.0909443	min	.0706009	max	.3402395
Si	3.478498	SAB	3.245211	Sf	3.239585	K	.0203434	z	.2158960	m.	.0461880
n	.0808290	gam	15.680121	b-al	10.905430	the	100.90545	phi	105.68014	2-LEVEL THRUST	
N	3.0000000	wl	.1000000	w2	.0700000	w3	.0500000	SF	.0288868	LFr	.6121273
PRA	1.0400000	PRB	.9787436	PRC	.9676383	L	.2551804	min	.0742990	max	.3323906
Si	5.435148	SAB	4.294678	Sf	3.251834	K	.1808814	z	.0668660	m	.0577350
n	.0808290	gam	15.680121	b-al	12.486886	the	102.48691	phi	105.68014		
N	3.0000000	wl	.1000000	w2	.0700000	w3	.0500000	SF	.0288868	LFr	.5290842
PRA	1.0500000	PRB	.9756638	PRC	.9676383	L	.1645947	min	.0742990	max	.3323906
Si	4.348120	SAB	3.751164	Sf	3.251834	K	.0902957	z	.1453156	m	.0577350
n	.0808290	gam	15.680121	b-al	12.486886	the	102.48691	phi	105.68014		
N	3.0000000	wl	.1000000	w2	.0700000	w3	.0500000	SF	.0288868	LFr	.4737225
PRA	1.0600000	PRB	.9724764	PRC	.9867352	L	.1042042	min	.0742990	max	.3323906
Si	3.623434	SAB	3.388821	Sf	3.251834	K	.0299052	z	.1976153	m	.0577350
n	.0808290	gam	15.680121	b-al	12.486886	the	102.48691	phi	105.68014	2-LEVEL THRUST	
N	3.0000000	wl	.1000000	w2	.0800000	w3	.0200000	SF	.0285158	LFr	.4939308
PRA	1.0200000	PRB	1.0452430	PRC	.9623525	L	.1645146	min	.0710978	max	.3550947
Si	4.348131	SAB	3.517288	Sf	3.265309	K	.0934168	z	.1650473	m	.0230940
n	.0923761	gam	17.295137	b-al	7.766312	the	97.766335	phi	107.29516		
N	3.0000000	wl	.1000000	w2	.0800000	w3	.0300000	SF	.0302067	LFr	.6613903
PRA	1.0200000	PRB	1.0173465	PRC	.9615384	L	.3470974	min	.0753562	max	.3478061
Si	6.522179	SAB	4.673962	Sf	3.270885	K	.2717412	z	.0006137	m	.0346410
n	.0923761	gam	17.295137	b-al	9.332330	the	99.332353	phi	107.29516		
N	3.0000000	wl	.1000000	w2	.0800000	w3	.0300000	SF	.0302067	LFr	.5091448
PRA	1.0300000	PRB	1.0226035	PRC	.9615384	L	.1659260	min	.0753562	max	.3478061
Si	4.348122	SAB	3.586933	Sf	3.270885	K	.0905698	z	.1575128	m	.0346410
n	.0923761	gam	17.295137	b-al	9.332330	the	99.332353	phi	107.29516		
N	3.0000000	wl	.1000000	w2	.0800000	w3	.0400000	SF	.0324745	LFr	.6359491
PRA	1.0300000	PRB	1.0018590	PRC	.9601844	L	.2880039	min	.0793367	max	.3402395
Si	5.797505	SAB	4.381971	Sf	3.279261	K	.2086673	z	.0452374	m	.0461880
n	.0923761	gam	17.295137	b-al	10.905430	the	100.90545	phi	107.29516		
N	3.0000000	wl	.1000000	w2	.0800000	w3	.0400000	SF	.0324745	LFr	.5252237
PRA	1.0400000	PRB	1.0022273	PRC	.9601844	L	.1672211	min	.0793367	max	.3402395
Si	4.348111	SAB	3.657274	Sf	3.279261	K	.0878844	z	.1498384	m	.0461880
n	.0923761	gam	17.295137	b-al	10.905430	the	100.90545	phi	107.29516		

N	3.0000000	w1	.1000000	w2	.0800000	w3	.0400000	SF	.0324745	LFr	.4587898		
PRA	1.0495423	PRB	.9962904	PRC	1.0219187	L	.0947533	min	.0793367	max	.3402395		
Si	3.478497	SAB	3.220874	Sf	3.279261	K	.0154166	z	.2125974	m	.0461880		
n	.0923761	gam	17.295137	b-al	10.905430	the	100.90545	phi	107.29516	2-LEVEL THRUST			
N	3.0000000	w1	.1000000	w2	.0800000	w3	.0500000	SF	.0357752	LFr	.6324644		
PRA	1.0400000	PRB	.9866472	PRC	.9578969	L	.2589893	min	.0830347	max	.3323906		
Si	5.435148	SAB	4.271824	Sf	3.291510	K	.1759546	z	.0635674	m	.0577350		
n	.0923761	gam	17.295137	b-al	12.486886	the	102.48691	phi	107.29516				
N	3.0000000	w1	.1000000	w2	.0800000	w3	.0500000	SF	.0357752	LFr	.5425015		
PRA	1.0500000	PRB	.9847007	PRC	.9578969	L	.1684036	min	.0830347	max	.3323906		
Si	4.348119	SAB	3.728309	Sf	3.291510	K	.0853689	z	.1420169	m	.0577350		
n	.0923761	gam	17.295137	b-al	12.486886	the	102.48691	phi	107.29516				
N	3.0000000	w1	.1000000	w2	.0800000	w3	.0500000	SF	.0357752	LFr	.4625258		
PRA	1.0599518	PRB	.9804470	PRC	.9974332	L	.1080132	min	.0830347	max	.3323906		
Si	3.623434	SAB	3.365791	Sf	3.291510	K	.0249784	z	.1943166	m	.0577350		
n	.0923761	gam	17.295137	b-al	12.486886	the	102.48691	phi	107.29516	2-LEVEL THRUST			
N	3.0000000	w1	.1000000	w2	.0800000	w3	.0600000	SF	.0399647	LFr	.6382074		
PRA	1.0500000	PRB	.9741502	PRC	.9538153	L	.2412454	min	.0864519	max	.3242608		
Si	5.217735	SAB	4.234809	Sf	3.309281	K	.1554915	z	.0712890	m	.0692820		
n	.0923761	gam	17.295137	b-al	14.077758	the	104.07778	phi	107.29516				
N	3.0000000	w1	.1000000	w2	.0800000	w3	.0600000	SF	.0399647	LFr	.5607014		
PRA	1.0600000	PRB	.9711924	PRC	.9538153	L	.1694756	min	.0864519	max	.3242608		
Si	4.348121	SAB	3.800002	Sf	3.309281	K	.0830237	z	.1340479	m	.0692820		
n	.0923761	gam	17.295137	b-al	14.077758	the	104.07778	phi	107.29516				
N	3.0000000	w1	.1000000	w2	.0800000	w3	.0600000	SF	.0399647	LFr	.5053396		
PRA	1.0699634	PRB	.9675275	PRC	.9802435	L	.1177120	min	.0864519	max	.3242608		
Si	3.726959	SAB	3.489284	Sf	3.309281	K	.0312602	z	.1788765	m	.0692820		
n	.0923761	gam	17.295137	b-al	14.077758	the	104.07778	phi	107.29516	2-LEVEL THRUST			
N	3.0000000	w1	.1200000	w2	.0400000	w3	.0200000	SF	.0084076	LFr	.5093727		
PRA	1.0200000	PRB	.9913049	PRC	1.0864870	L	.1610031	min	.0381405	max	.3348941		
Si	4.348109	SAB	3.538335	Sf	3.160544	K	.1228627	z	.1505940	m	.0230940		
n	.0461880	gam	11.536921	b-al	8.213082	the	98.213105	phi	101.53694				
N	3.0000000	w1	.1200000	w2	.0400000	w3	.0200000	SF	.0084076	LFr	.4540110		
PRA	1.0000000	PRB	.9845949	PRC	1.1404490	L	.0402222	min	.0381405	max	.3348941		
Si	2.898737	SAB	2.809748	Sf	3.160544	K	.0020817	z	.2551934	m	.0230940		
n	.0461880	gam	11.536921	b-al	8.213082	the	98.213105	phi	101.53694	2-LEVEL THRUST			
N	3.0000000	w1	.1200000	w2	.0500000	w3	.0200000	SF	.0114851	LFr	.5230913		
PRA	1.0200000	PRB	1.0034959	PRC	1.0580777	L	.1643353	min	.0461121	max	.3348941		
Si	4.348117	SAB	3.518350	Sf	3.168431	K	.1182232	z	.1477083	m	.0230940		
n	.0577350	gam	13.212954	b-al	8.213082	the	98.213105	phi	103.21298				
N	3.0000000	w1	.1200000	w2	.0500000	w3	.0300000	SF	.0131121	LFr	.5389958		
PRA	1.0300000	PRB	.9854809	PRC	1.0515191	L	.1657105	min	.0502829	max	.3275180		
Si	4.348117	SAB	3.588222	Sf	3.172185	K	.1154276	z	.1401294	m	.0346410		
n	.0577350	gam	13.212954	b-al	9.870816	the	99.870839	phi	103.21298				
N	3.0000000	w1	.1200000	w2	.0500000	w3	.0300000	SF	.0131121	LFr	.4836340		
PRA	1.0400000	PRB	.9828044	PRC	1.0600976	L	.0751248	min	.0502829	max	.3275180		
Si	3.261089	SAB	3.044708	Sf	3.172185	K	.0248419	z	.2185789	m	.0346410		
n	.0577350	gam	13.212954	b-al	9.870816	the	99.870839	phi	103.21298	2-LEVEL THRUST			
N	3.0000000	w1	.1200000	w2	.0600000	w3	.0200000	SF	.0154820	LFr	.5368948		
PRA	1.0200000	PRB	1.0170035	PRC	1.0310317	L	.1678524	min	.0543860	max	.3348941		
Si	4.348116	SAB	3.497246	Sf	3.179453	K	.1134664	z	.1446624	m	.0230940		
n	.0692820	gam	14.900327	b-al	8.213082	the	98.213105	phi	104.90035				

N	3.0000000	w1	.1200000	w2	.0600000	w3	.0300000	SF	.0171089	LFr	.5528526
PRA	1.0300000	PRB	.9966468	PRC	1.0271798	L	.1692276	min	.0585569	max	.3275180
Si	4.348116	SAB	3.567117	Sf	3.183208	K	.1106707	z	.1370835	m	.0346410
n	.0692820	gam	14.900327	b-al	9.870816	the	99.870839	phi	104.90035		
N	3.0000000	w1	.1200000	w2	.0600000	w3	.0300000	SF	.0171089	LFr	.4905701
PRA	1.0400000	PRB	.9944661	PRC	1.0586447	L	.0786419	min	.0585569	max	.3275180
Si	3.261087	SAB	3.023603	Sf	3.183208	K	.0200850	z	.2155330	m	.0346410
n	.0692820	gam	14.900327	b-al	9.870816	the	99.870839	phi	104.90035	2-LEVEL THRUST	
N	3.0000000	w1	.1200000	w2	.0600000	w3	.0400000	SF	.0192804	LFr	.6619425
PRA	1.0300000	PRB	.9834465	PRC	1.0203767	L	.2912636	min	.0624334	max	.3198475
Si	5.797505	SAB	4.362413	Sf	3.188743	K	.2288302	z	.0247544	m	.0461880
n	.0692820	gam	14.900327	b-al	11.536921	the	101.53694	phi	104.90035		
N	3.0000000	w1	.1200000	w2	.0600000	w3	.0400000	SF	.0192804	LFr	.5696716
PRA	1.0400000	PRB	.9801487	PRC	1.0203767	L	.1704807	min	.0624334	max	.3198475
Si	4.348110	SAB	3.637715	Sf	3.188743	K	.1080473	z	.1293554	m	.0461880
n	.0692820	gam	14.900327	b-al	11.536921	the	101.53694	phi	104.90035		
N	3.0000000	w1	.1200000	w2	.0600000	w3	.0400000	SF	.0192804	LFr	.5143099
PRA	1.0500000	PRB	.9774538	PRC	1.0203767	L	.0980129	min	.0624334	max	.3198475
Si	3.478497	SAB	3.202909	Sf	3.188743	K	.0355795	z	.1921144	m	.0461880
n	.0692820	gam	14.900327	b-al	11.536921	the	101.53694	phi	104.90035		
N	3.0000000	w1	.1200000	w2	.0700000	w3	.0200000	SF	.0205727	LFr	.5508165
PRA	1.0200000	PRB	1.0312834	PRC	1.0063411	L	.1715717	min	.0629828	max	.3348941
Si	4.348106	SAB	3.474920	Sf	3.194711	K	.1085890	z	.1414413	m	.0230940
n	.0808290	gam	16.601296	b-al	8.213082	the	98.213105	phi	106.60132		
N	3.0000000	w1	.1200000	w2	.0700000	w3	.0300000	SF	.0221996	LFr	.5668488
PRA	1.0300000	PRB	1.0093773	PRC	1.0039883	L	.1729489	min	.0671536	max	.3275180
Si	4.348129	SAB	3.544803	Sf	3.198465	K	.1057953	z	.1338608	m	.0346410
n	.0808290	gam	16.601296	b-al	9.870816	the	99.870839	phi	106.60132		
N	3.0000000	w1	.1200000	w2	.0700000	w3	.0300000	SF	.0221996	LFr	.4976454
PRA	1.0400009	PRB	1.0059851	PRC	1.0593603	L	.0823612	min	.0671536	max	.3275180
Si	3.261077	SAB	3.001279	Sf	3.198465	K	.0152076	z	.2123120	m	.0346410
n	.0808290	gam	16.601296	b-al	9.870816	the	99.870839	phi	106.60132	2-LEVEL THRUST	
N	3.0000000	w1	.1200000	w2	.0700000	w3	.0400000	SF	.0243712	LFr	.6852465
PRA	1.0300000	PRB	.9919308	PRC	1.0000514	L	.2949829	min	.0710301	max	.3198475
Si	5.797495	SAB	4.340087	Sf	3.204001	K	.2239528	z	.0215333	m	.0461880
n	.0808290	gam	16.601296	b-al	11.536921	the	101.53694	phi	106.60132		
N	3.0000000	w1	.1200000	w2	.0700000	w3	.0400000	SF	.0243712	LFr	.5837498
PRA	1.0400000	PRB	.9903134	PRC	1.0000514	L	.1742020	min	.0710301	max	.3198475
Si	4.348123	SAB	3.615401	Sf	3.204001	K	.1031719	z	.1261327	m	.0461880
n	.0808290	gam	16.601296	b-al	11.536921	the	101.53694	phi	106.60132		
N	3.0000000	w1	.1200000	w2	.0700000	w3	.0400000	SF	.0243712	LFr	.5228500
PRA	1.0500000	PRB	.9883940	PRC	1.0191915	L	.1017323	min	.0710301	max	.3198475
Si	3.478487	SAB	3.180583	Sf	3.204001	K	.0307022	z	.1888933	m	.0461880
n	.0808290	gam	16.601296	b-al	11.536921	the	101.53694	phi	106.60132	2-LEVEL THRUST	
N	3.0000000	w1	.1200000	w2	.0700000	w3	.0500000	SF	.0275135	LFr	.6848898
PRA	1.0400000	PRB	.9784198	PRC	.9933031	L	.2659207	min	.0746055	max	.3118758
Si	5.435147	SAB	4.230235	Sf	3.211888	K	.1913152	z	.0397984	m	.0577350
n	.0808290	gam	16.601296	b-al	13.212954	the	103.21298	phi	106.60132		
N	3.0000000	w1	.1200000	w2	.0700000	w3	.0500000	SF	.0275135	LFr	.6018477
PRA	1.0500000	PRB	.9752383	PRC	.9933031	L	.1753349	min	.0746055	max	.3118758
Si	4.348119	SAB	3.686721	Sf	3.211888	K	.1007295	z	.1182479	m	.0577350
n	.0808290	gam	16.601296	b-al	13.212954	the	103.21298	phi	106.60132		

N	3.0000000	wl	.1200000	w2	.0700000	w3	.0500000	SF	.0275135	LFr	.5464850		
PRA	1.0600000	PRB	.9725209	PRC	.9934614	L	.1149445	min	.0746055	max	.3118758		
Si	3.623433	SAB	3.324378	Sf	3.211888	K	.0403390	z	.1705476	m	.0577350		
n	.0808290	gam	16.601296	b-al	13.212954	the	103.21298	phi	106.60132	2-LEVEL THRUST			
N	3.0000000	wl	.1200000	w2	.0800000	w3	.0200000	SF	.0269346	LFr	.5648985		
PRA	1.0200000	PRB	1.0461072	PRC	.9846657	L	.1755028	min	.0719040	max	.3348941		
Si	4.348131	SAB	3.451359	Sf	3.215945	K	.1035988	z	.1380370	m	.0230940		
n	.0923761	gam	18.317487	b-al	8.213082	the	98.213105	phi	108.31751				
N	3.0000000	wl	.1200000	w2	.0800000	w3	.0300000	SF	.0285616	LFr	.5810137		
PRA	1.0300000	PRB	1.0230253	PRC	.9832291	L	.1768761	min	.0760748	max	.3275180		
Si	4.348109	SAB	3.521219	Sf	3.219699	K	.1008013	z	.1304597	m	.0346410		
n	.0923761	gam	18.317487	b-al	9.870816	the	99.870839	phi	108.31751				
N	3.0000000	wl	.1200000	w2	.0800000	w3	.0300000	SF	..0285616	LFr	.5048914		
PRA	1.0395064	PRB	1.0169691	PRC	1.0638019	L	.0862904	min	.0760748	max	.3275180		
Si	3.261080	SAB	2.976095	Sf	3.219699	K	.0102155	z	.2089092	m	.0346410		
n	.0923761	gam	18.317487	b-al	.9.870816	the	99.870839	phi	108.31751	2-LEVEL THRUST			
N	3.0000000	wl	.1200000	w2	.0800000	w3	.0400000	SF	.0307331	LFr	.7087422		
PRA	1.0300000	PRB	1.0018872	PRC	.9809034	L	.2989121	min	.0799514	max	.3198475		
Si	5.797497	SAB	4.316514	Sf	3.225234	K	.2189607	z	.0181306	m	.0461880		
n	.0923761	gam	18.317487	b-al	11.536921	the	101.53694	phi	108.31751				
N	3.0000000	wl	.1200000	w2	.0800000	w3	.0400000	SF	.0307331	LFr	.5980177		
PRA	1.0400000	PRB	1.0022679	PRC	.9809034	L	.1781311	min	.0799514	max	.3198475		
Si	4.348126	SAB	3.591829	Sf	3.225234	K	.0981798	z	.1227300	m	.0461880		
n	.0923761	gam	18.317487	b-al	11.536921	the	101.53694	phi	108.31751				
N	3.0000000	wl	.1200000	w2	.0800000	w3	.0400000	SF	.0307331	LFr	.5315828		
PRA	1.0500000	PRB	1.0000224	PRC	1.0215875	L	.1056614	min	.0799514	max	.3198475		
Si	3.478489	SAB	3.157010	Sf	3.225234	K	.0257101	z	.1854906	m	.0461880		
n	.0923761	gam	18.317487	b-al	11.536921	the	101.53694	phi	108.31751	2-LEVEL THRUST			
N	3.0000000	wl	.1200000	w2	.0800000	w3	.0500000	SF	.0338755	LFr	.7061930		
PRA	1.0400000	PRB	.9864404	PRC	.9771244	L	.2698498	min	.0835267	max	.3118758		
Si	5.435150	SAB	4.206663	Sf	3.233121	K	.1863231	z	.0363956	m	.0577350		
n	.0923761	gam	18.317487	b-al	13.212954	the	103.21298	phi	108.31751				
N	3.0000000	wl	.1200000	w2	.0800000	w3	.0500000	SF	.0338755	LFr	.6162291		
PRA	1.0500000	PRB	.9844285	PRC	.9771244	L	.1792641	min	.0835267	max	.3118758		
Si	4.348121	SAB	3.663149	Sf	3.233121	K	.0957373	z	.1148452	m	.0577350		
n	.0923761	gam	18.317487	b-al	13.212954	the	103.21298	phi	108.31751				
N	3.0000000	wl	.1200000	w2	.0800000	w3	.0500000	SF	.0338755	LFr	.5562544		
PRA	1.0600000	PRB	.9821428	PRC	.9973036	L	.1188736	min	.0835267	max	.3118758		
Si	3.623436	SAB	3.300806	Sf	3.233121	K	.0353469	z	.1671449	m	.0577350		
n	.0923761	gam	18.317487	b-al	13.212954	the	103.21298	phi	108.31751	2-LEVEL THRUST			
N	3.0000000	wl	.1200000	w2	.0800000	w3	.0600000	SF	.0378399	LFr	.7128992		
PRA	1.0500000	PRB	.9737483	PRC	.9707359	L	.2527504	min	.0867997	max	.3036018		
Si	5.217756	SAB	4.169988	Sf	3.244144	K	.1659507	z	.0440386	m	.0692820		
n	.0923761	gam	18.317487	b-al	14.900326	the	104.90035	phi	108.31751				
N	3.0000000	wl	.1200000	w2	.0800000	w3	.0600000	SF	.0378399	LFr	.6353912		
PRA	1.0600000	PRB	.9706923	PRC	.9707359	L	.1802807	min	.0867997	max	.3036018		
Si	4.348120	SAB	3.735170	Sf	3.244144	K	.0934810	z	.1067993	m	.0692820		
n	.0923761	gam	18.317487	b-al	14.900326	the	104.90035	phi	108.31751				
N	3.0000000	wl	.1200000	w2	.0800000	w3	.0600000	SF	.0378399	LFr	.5800285		
PRA	1.0700000	PRB	.9679926	PRC	.9786327	L	.1285172	min	.0867997	max	.3036018		
Si	3.726957	SAB	3.424588	Sf	3.244144	K	.0417174	z	.1516278	m	.0692820		
n	.0923761	gam	18.317487	b-al	14.900326	the	104.90035	phi	108.31751	2-LEVEL THRUST			

N	3.0000000	w1	.1200000	w2	.0800000	w3	.0600000	SF	.0378399	LFr	.5385075
PRA	1.0701347	PRB	.9586023	PRC	1.0711385	L	.0896950	min	.0867997	max	.3036018
Si	3.261091	SAB	3.159483	Sf	3.244144	K	.0028953	z	.1852488	m	.0692820
n	.0923761	gam	18.317487	b-al	14.900326	the	104.90035	phi	108.31751	2-LEVEL THRUST	
N	3.0000000	w1	.1200000	w2	.0900000	w3	.0200000	SF	.0347805	LFr	.5791731
PRA	1.0200000	PRB	1.0613742	PRC	.9667956	L	.1796494	min	.0811590	max	.3348941
Si	4.348110	SAB	3.426458	Sf	3.246095	K	.0984904	z	.1344459	m	.0230940
n	.1039231	gam	20.050887	b-al	8.213082	the	98.213105	phi	110.05091		
N	3.0000000	w1	.1200000	w2	.0900000	w3	.0300000	SF	.0364065	LFr	.5953932
PRA	1.0300000	PRB	1.0373099	PRC	.9659582	L	.1810246	min	.0853298	max	.3275180
Si	4.348110	SAB	3.496330	Sf	3.249849	K	.0956947	z	.1268670	m	.0346410
n	.1039231	gam	20.050887	b-al	9.870816	the	99.870839	phi	110.05091		
N	3.0000000	w1	.1200000	w2	.0900000	w3	.0300000	SF	.0364065	LFr	.5123501
PRA	1.0383262	PRB	1.0265364	PRC	1.0741283	L	.0904389	min	.0853298	max	.3275180
Si	3.261081	SAB	2.947356	Sf	3.249849	K	.0051090	z	.2053165	m	.0346410
n	.1039231	gam	20.050887	b-al	9.870816	the	99.870839	phi	110.05091	2-LEVEL THRUST	
N	3.0000000	w1	.1200000	w2	.0900000	w3	.0400000	SF	.0385780	LFr	.7324648
PRA	1.0300000	PRB	1.0126958	PRC	.9646284	L	.3030605	min	.0892064	max	.3198475
Si	5.797499	SAB	4.291625	Sf	3.255385	K	.2138542	z	.0145379	m	.0461880
n	.1039231	gam	20.050887	b-al	11.536921	the	101.53694	phi	110.05091		
N	3.0000000	w1	.1200000	w2	.0900000	w3	.0400000	SF	.0385780	LFr	.6125135
PRA	1.0400000	PRB	1.0152752	PRC	.9646284	L	.1822796	min	.0892064	max	.3198475
Si	4.348127	SAB	3.566939	Sf	3.255385	K	.0930733	z	.1191373	m	.0461880
n	.1039231	gam	20.050887	b-al	11.536921	the	101.53694	phi	110.05091		
N	3.0000000	w1	.1200000	w2	.0900000	w3	.0400000	SF	.0385780	LFr	.5405417
PRA	1.0499748	PRB	1.0110655	PRC	1.0280086	L	.1098099	min	.0892064	max	.3198475
Si	3.478491	SAB	3.132033	Sf	3.255385	K	.0206035	z	.1818979	m	.0461880
n	.1039231	gam	20.050887	b-al	11.536921	the	101.53694	phi	110.05091	2-LEVEL THRUST	
N	3.0000000	w1	.1200000	w2	.0900000	w3	.0500000	SF	.0417214	LFr	.7277365
PRA	1.0400000	PRB	.9961868	PRC	.9625324	L	.2739983	min	.0927817	max	.3118758
Si	5.435151	SAB	4.181773	Sf	3.263271	K	.1812165	z	.0328030	m	.0577350
n	.1039231	gam	20.050887	b-al	13.212954	the	103.21298	phi	110.05091		
N	3.0000000	w1	.1200000	w2	.0900000	w3	.0500000	SF	.0417214	LFr	.6308537
PRA	1.0500000	PRB	.9956171	PRC	.9625324	L	.1834126	min	.0927817	max	.3118758
Si	4.348123	SAB	3.638259	Sf	3.263271	K	.0906308	z	.1112525	m	.0577350
n	.1039231	gam	20.050887	b-al	13.212954	the	103.21298	phi	110.05091		
N	3.0000000	w1	.1200000	w2	.0900000	w3	.0500000	SF	.0417214	LFr	.5662642
PRA	1.0600000	PRB	.9925853	PRC	1.0035813	L	.1230221	min	.0927817	max	.3118758
Si	3.623437	SAB	3.275916	Sf	3.263271	K	.0302404	z	.1635522	m	.0577350
n	.1039231	gam	20.050887	b-al	13.212954	the	103.21298	phi	110.05091	2-LEVEL THRUST	
N	3.0000000	w1	.1200000	w2	.0900000	w3	.0600000	SF	.0456858	LFr	.7332029
PRA	1.0500000	PRB	.9811452	PRC	.9591775	L	.2568970	min	.0960547	max	.3036018
Si	5.217735	SAB	4.145087	Sf	3.274294	K	.1608423	z	.0404476	m	.0692820
n	.1039231	gam	20.050887	b-al	14.900326	the	104.90035	phi	110.05091		
N	3.0000000	w1	.1200000	w2	.0900000	w3	.0600000	SF	.0456858	LFr	.6501618
PRA	1.0600000	PRB	.9789356	PRC	.9591775	L	.1844292	min	.0960547	max	.3036018
Si	4.348121	SAB	3.710280	Sf	3.274294	K	.0883745	z	.1032066	m	.0692820
n	.1039231	gam	20.050887	b-al	14.900326	the	104.90035	phi	110.05091		
N	3.0000000	w1	.1200000	w2	.0900000	w3	.0600000	SF	.0456858	LFr	.5908451
PRA	1.0700000	PRB	.9758980	PRC	.9868993	L	.1326656	min	.0960547	max	.3036018
Si	3.726959	SAB	3.399699	Sf	3.274294	K	.0366109	z	.1480351	m	.0692820
n	.1039231	gam	20.050887	b-al	14.900326	the	104.90035	phi	110.05091	2-LEVEL THRUST	

N	3.0000000	wl	.1200000	w2	.0900000	w3	.0700000	SF	.0507746	LFr	.7444267		
PRA	1.0600000	PRB	.9693919	PRC	.9534983	L	.2457161	min	.0990050	max	.2950051		
Si	5.072801	SAB	4.145360	Sf	3.289552	K	.1467111	z	.0426855	m	.0808291		
n	.1039231	gam	20.050887	b-al	16.601296	the	106.60132	phi	110.05091				
N	3.0000000	wl	.1200000	w2	.0900000	w3	.0700000	SF	.0507746	LFr	.6706114		
PRA	1.0700000	PRB	.9664603	PRC	.9534983	L	.1853256	min	.0990050	max	.2950051		
Si	4.348115	SAB	3.783018	Sf	3.289552	K	.0863206	z	.0949852	m	.0808291		
n	.1039231	gam	20.050887	b-al	16.601296	the	106.60132	phi	110.05091				
N	3.0000000	wl	.1200000	w2	.0900000	w3	.0700000	SF	.0507746	LFr	.6152477		
PRA	1.0800000	PRB	.9633833	PRC	.9724679	L	.1400318	min	.0990050	max	.2950051		
Si	3.804589	SAB	3.511255	Sf	3.289552	K	.0410268	z	.1342108	m	.0808291		
n	.1039231	gam	20.050887	b-al	16.601296	the	106.60132	phi	110.05091	2-LEVEL THRUST			
N	3.0000000	wl	.1200000	w2	.0900000	w3	.0700000	SF	.0507746	LFr	.5721903		
PRA	1.0799331	PRB	.9547791	PRC	1.0549646	L	.1048050	min	.0990050	max	.2950051		
Si	3.381867	SAB	3.265848	Sf	3.289552	K	.0058000	z	.1647181	m	.0808291		
n	.1039231	gam	20.050887	b-al	16.601296	the	106.60132	phi	110.05091	2-LEVEL THRUST			
N	3.0000000	wl	.1200000	w2	.1000000	w3	.0200000	SF	.0443840	LFr	.5936756		
PRA	1.0200000	PRB	1.0770411	PRC	.9541866	L	.1840286	min	.0907580	max	.3348941		
Si	4.348108	SAB	3.400181	Sf	3.290914	K	.0932707	z	.1306534	m	.0230940		
n	.1154701	gam	21.803625	b-al	8.213082	the	98.213105	phi	111.80365				
N	3.0000000	wl	.1200000	w2	.1000000	w3	.0300000	SF	.0460100	LFr	.6100178		
PRA	1.0300000	PRB	1.0521037	PRC	.9537557	L	.1854038	min	.0949288	max	.3275180		
Si	4.348108	SAB	3.470052	Sf	3.294668	K	.0904750	z	.1230745	m	.0346410		
n	.1154701	gam	21.803625	b-al	9.870816	the	99.870839	phi	111.80365				
N	3.0000000	wl	.1200000	w2	.1000000	w3	.0400000	SF	.0481815	LFr	.7564507		
PRA	1.0300000	PRB	1.0240840	PRC	.9530785	L	.3074398	min	.0988053	max	.3198475		
Si	5.797497	SAB	4.265347	Sf	3.300204	K	.2086345	z	.0107454	m	.0461880		
n	.1154701	gam	21.803625	b-al	11.536921	the	101.53694	phi	111.80365				
N	3.0000000	wl	.1200000	w2	.1000000	w3	.0400000	SF	.0481815	LFr	.6272726		
PRA	1.0400000	PRB	1.0290134	PRC	.9530785	L	.1866589	min	.0988053	max	.3198475		
Si	4.348126	SAB	3.540662	Sf	3.300204	K	.0878536	z	.1153447	m	.0461880		
n	.1154701	gam	21.803625	b-al	11.536921	the	101.53694	phi	111.80365				
N	3.0000000	wl	.1200000	w2	.1000000	w3	.0400000	SF	.0481815	LFr	.5497646		
PRA	1.0495639	PRB	1.0214519	PRC	1.0407718	L	.1141892	min	.0988053	max	.3198475		
Si	3.478489	SAB	3.104326	Sf	3.300204	K	.0153838	z	.1781053	m	.0461880		
n	.1154701	gam	21.803625	b-al	11.536921	the	101.53694	phi	111.80365	2-LEVEL THRUST			
N	3.0000000	wl	.1200000	w2	.1000000	w3	.0500000	SF	.0513249	LFr	.7495642		
PRA	1.0400000	PRB	1.0069417	PRC	.9520310	L	.2783775	min	.1023807	max	.3118758		
Si	5.435150	SAB	4.155496	Sf	3.308091	K	.1759968	z	.0290104	m	.0577350		
n	.1154701	gam	21.803625	b-al	13.212954	the	103.21298	phi	111.80365				
N	3.0000000	wl	.1200000	w2	.1000000	w3	.0500000	SF	.0513249	LFr	.6457605		
PRA	1.0500000	PRB	1.0079863	PRC	.9520310	L	.1877918	min	.1023807	max	.3118758		
Si	4.348121	SAB	3.611982	Sf	3.308091	K	.0854111	z	.1074599	m	.0577350		
n	.1154701	gam	21.803625	b-al	13.212954	the	103.21298	phi	111.80365				
N	3.0000000	wl	.1200000	w2	.1000000	w3	.0500000	SF	.0513249	LFr	.5765581		
PRA	1.0599202	PRB	1.0028935	PRC	1.0151405	L	.1274014	min	.1023807	max	.3118758		
Si	3.623435	SAB	3.249350	Sf	3.308091	K	.0250207	z	.1597596	m	.0577350		
n	.1154701	gam	21.803625	b-al	13.212954	the	103.21298	phi	111.80365	2-LEVEL THRUST			
N	3.0000000	wl	.1200000	w2	.1000000	w3	.0600000	SF	.0552893	LFr	.7538071		
PRA	1.0500000	PRB	.9904956	PRC	.9503987	L	.2612763	min	.1056537	max	.3036018		
Si	5.217733	SAB	4.118809	Sf	3.319113	K	.1556226	z	.0366550	m	.0692820		
n	.1154701	gam	21.803625	b-al	14.900326	the	104.90035	phi	111.80365				

N	3.0000000	wl	.1200000	w2	.1000000	w3	.0600000	SF	.0552893	LFr	.6652289
PRA	1.0600000	PRB	.9893739	PRC	.9503987	L	.1888085	min	.1056537	max	.3036018
Si	4.348119	SAB	3.684002	Sf	3.319113	K	.0831548	z	.0994140	m	.0692820
n	.1154701	gam	21.803625	b-al	14.900326	the	104.90035	phi	111.80365		
N	3.0000000	wl	.1200000	w2	.1000000	w3	.0600000	SF	.0552893	LFr	.6019573
PRA	1.0699626	PRB	.9849280	PRC	.9989990	L	.1370449	min	.1056537	max	.3036018
Si	3.726957	SAB	3.373281	Sf	3.319113	K	.0313912	z	.1442425	m	.0692820
n	.1154701	gam	21.803625	b-al	14.900326	the	104.90035	phi	111.80365	2-LEVEL THRUST	
N	3.0000000	wl	.1200000	w2	.1000000	w3	.0700000	SF	.0603781	LFr	.7642870
PRA	1.0600000	PRB	.9761000	PRC	.9477763	L	.2500954	min	.1086040	max	.2950051
Si	5.072799	SAB	4.119083	Sf	3.334371	K	.1414914	z	.0388930	m	.0808291
n	.1154701	gam	21.803625	b-al	16.601296	the	106.60132	phi	111.80365		
N	3.0000000	wl	.1200000	w2	.1000000	w3	.0700000	SF	.0603781	LFr	.6858578
PRA	1.0700000	PRB	.9737949	PRC	.9477763	L	.1897049	min	.1086040	max	.2950051
Si	4.348113	SAB	3.756740	Sf	3.334371	K	.0811009	z	.0911927	m	.0808291
n	.1154701	gam	21.803625	b-al	16.601296	the	106.60132	phi	111.80365		
N	3.0000000	wl	.1200000	w2	.1000000	w3	.0700000	SF	.0603781	LFr	.6270371
PRA	1.0799506	PRB	.9696245	PRC	.9868074	L	.1444130	min	.1086040	max	.2950051
Si	3.804610	SAB	3.484801	Sf	3.334371	K	.0358090	z	.1304166	m	.0808291
n	.1154701	gam	21.803625	b-al	16.601296	the	106.60132	phi	111.80365	2-LEVEL THRUST	
N	3.0000000	wl	.1200000	w2	.1000000	w3	.0700000	SF	.0603781	LFr	.5812855
PRA	1.0751033	PRB	.9576150	PRC	1.0802663	L	.1091843	min	.1086040	max	.2950051
Si	3.381866	SAB	3.223237	Sf	3.334371	K	.0005803	z	.1609256	m	.0808291
n	.1154701	gam	21.803625	b-al	16.601296	the	106.60132	phi	111.80365	2-LEVEL THRUST	
N	3.0000000	wl	.1200000	w2	.1000000	w3	.0800000	SF	.0667553	LFr	.7788496
PRA	1.0700000	PRB	.9653208	PRC	.9432613	L	.2422505	min	.1112297	max	.2860838
Si	4.969286	SAB	4.140762	Sf	3.355605	K	.1310207	z	.0379608	m	.0923761
n	.1154701	gam	21.803625	b-al	18.317487	the	108.31751	phi	111.80365		
N	3.0000000	wl	.1200000	w2	.1000000	w3	.0800000	SF	.0667553	LFr	.7076702
PRA	1.0800000	PRB	.9625088	PRC	.9432613	L	.1904869	min	.1112297	max	.2860838
Si	4.348123	SAB	3.830181	Sf	3.355605	K	.0792572	z	.0827894	m	.0923761
n	.1154701	gam	21.803625	b-al	18.317487	the	108.31751	phi	111.80365		
N	3.0000000	wl	.1200000	w2	.1000000	w3	.0800000	SF	.0667553	LFr	.6523085
PRA	1.0898303	PRB	.9586370	PRC	.9755932	L	.1502266	min	.1112297	max	.2860838
Si	3.865000	SAB	3.587962	Sf	3.355605	K	.0389969	z	.1176558	m	.0923761
n	.1154701	gam	21.803625	b-al	18.317487	the	108.31751	phi	111.80365	2-LEVEL THRUST	
N	3.0000000	wl	.1200000	w2	.1000000	w3	.0800000	SF	.0667553	LFr	.6080170
PRA	1.0881093	PRB	.9508872	PRC	1.0521529	L	.1180172	min	.1112297	max	.2860838
Si	3.478487	SAB	3.353999	Sf	3.355605	K	.0067875	z	.1455500	m	.0923761
n	.1154701	gam	21.803625	b-al	18.317487	the	108.31751	phi	111.80365	2-LEVEL THRUST	
N	3.0000000	wl	.1400000	w2	.0400000	w3	.0200000	SF	.0083132	LFr	.5736008
PRA	1.0200000	PRB	.9911455	PRC	1.1336100	L	.1716251	min	.0383551	max	.3146689
Si	4.348128	SAB	3.474622	Sf	3.154610	K	.1332700	z	.1238796	m	.0230940
n	.0461880	gam	12.246622	b-al	8.714620	the	98.714643	phi	102.24664		
N	3.0000000	wl	.1400000	w2	.0400000	w3	.0200000	SF	.0083132	LFr	.5182381
PRA	1.0300000	PRB	.9876295	PRC	1.1615309	L	.0508423	min	.0383551	max	.3146689
Si	2.898734	SAB	2.749925	Sf	3.154610	K	.0124872	z	.2284806	m	.0230940
n	.0461880	gam	12.246622	b-al	8.714620	the	98.714643	phi	102.24664	2-LEVEL THRUST	
N	3.0000000	wl	.1400000	w2	.0500000	w3	.0200000	SF	.0113468	LFr	.5881939
PRA	1.0200000	PRB	1.0035609	PRC	1.1017023	L	.1750412	min	.0464673	max	.3146689
Si	4.348113	SAB	3.454110	Sf	3.159871	K	.1285739	z	.1209212	m	.0230940
n	.0577350	gam	14.029656	b-al	8.714620	the	98.714643	phi	104.02968		

N	3.0000000	w1	.1400000	w2	.0500000	w3	.0200000	SF	.0113468	LFr	.5236054
PRA	1.0298369	PRB	.9997034	PRC	1.1582504	L	.0542603	min	.0464673	max	.3146689
Si	2.898741	SAB	2.728951	Sf	3.159871	K	.0077930	z	.2255205	m	.0230940
n	.0577350	gam	14.029656	b-al	8.714620	the	98.714643	phi	104.02968	2-LEVEL THRUST	
N	3.0000000	w1	.1400000	w2	.0500000	w3	.0300000	SF	.0129528	LFr	.6049738
PRA	1.0300000	PRB	.9852173	PRC	1.0941467	L	.1763764	min	.0505414	max	.3071960
Si	4.348117	SAB	3.524226	Sf	3.162439	K	.1258350	z	.1132932	m	.0346410
n	.0577350	gam	14.029656	b-al	10.475587	the	100.47561	phi	104.02968		
N	3.0000000	w1	.1400000	w2	.0500000	w3	.0300000	SF	.0129528	LFr	.5496121
PRA	1.0400000	PRB	.9825217	PRC	1.0941467	L	.0857906	min	.0505414	max	.3071960
Si	3.261089	SAB	2.980712	Sf	3.162439	K	.0352493	z	.1917427	m	.0346410
n	.0577350	gam	14.029656	b-al	10.475587	the	100.47561	phi	104.02968		
N	3.0000000	w1	.1400000	w2	.0600000	w3	.0200000	SF	.0152693	LFr	.6028891
PRA	1.0200000	PRB	1.0173247	PRC	1.0709880	L	.1786595	min	.0549027	max	.3146689
Si	4.348113	SAB	3.432401	Sf	3.167096	K	.1237567	z	.1177877	m	.0230940
n	.0692820	gam	15.826319	b-al	8.714620	the	98.714643	phi	105.82634		
N	3.0000000	w1	.1400000	w2	.0600000	w3	.0200000	SF	.0152693	LFr	.5290728
PRA	1.0289337	PRB	1.0112871	PRC	1.1579234	L	.0578785	min	.0549027	max	.3146689
Si	2.898742	SAB	2.704624	Sf	3.167096	K	.0029758	z	.2223871	m	.0230940
n	.0692820	gam	15.826319	b-al	8.714620	the	98.714643	phi	105.82634	2-LEVEL THRUST	
N	3.0000000	w1	.1400000	w2	.0600000	w3	.0300000	SF	.0168753	LFr	.6197367
PRA	1.0300000	PRB	.9965849	PRC	1.0664027	L	.1799946	min	.0589768	max	.3071960
Si	4.348118	SAB	3.502517	Sf	3.169664	K	.1210178	z	.1101597	m	.0346410
n	.0692820	gam	15.826319	b-al	10.475587	the	100.47561	phi	105.82634		
N	3.0000000	w1	.1400000	w2	.0600000	w3	.0300000	SF	.0168753	LFr	.5574541
PRA	1.0400000	PRB	.9958714	PRC	1.0756540	L	.0894089	min	.0589768	max	.3071960
Si	3.261089	SAB	2.959003	Sf	3.169664	K	.0304321	z	.1886092	m	.0346410
n	.0692820	gam	15.826319	b-al	10.475587	the	100.47561	phi	105.82634	2-LEVEL THRUST	
N	3.0000000	w1	.1400000	w2	.0600000	w3	.0400000	SF	.0190220	LFr	.6374655
PRA	1.0400000	PRB	.9797914	PRC	1.0584233	L	.1812000	min	.0627355	max	.2994077
Si	4.348110	SAB	3.573400	Sf	3.173413	K	.1184645	z	.1023708	m	.0461880
n	.0692820	gam	15.826319	b-al	12.246622	the	102.24664	phi	105.82634		
N	3.0000000	w1	.1400000	w2	.0600000	w3	.0400000	SF	.0190220	LFr	.5821037
PRA	1.0500000	PRB	.9769918	PRC	1.0584233	L	.1087322	min	.0627355	max	.2994077
Si	3.478497	SAB	3.138593	Sf	3.173413	K	.0459967	z	.1651298	m	.0461880
n	.0692820	gam	15.826319	b-al	12.246622	the	102.24664	phi	105.82634		
N	3.0000000	w1	.1400000	w2	.0700000	w3	.0200000	SF	.0202475	LFr	.6177292
PRA	1.0200000	PRB	1.0318849	PRC	1.0423748	L	.1824989	min	.0636854	max	.3146689
Si	4.348116	SAB	3.409367	Sf	3.176826	K	.1188135	z	.1144626	m	.0230940
n	.0808290	gam	17.639436	b-al	8.714620	the	98.714643	phi	107.63946		
N	3.0000000	w1	.1400000	w2	.0700000	w3	.0300000	SF	.0218535	LFr	.6346588
PRA	1.0300000	PRB	1.0095534	PRC	1.0394373	L	.1838341	min	.0677595	max	.3071960
Si	4.348121	SAB	3.479483	Sf	3.179393	K	.1160746	z	.1068346	m	.0346410
n	.0808290	gam	17.639436	b-al	10.475587	the	100.47561	phi	107.63946		
N	3.0000000	w1	.1400000	w2	.0700000	w3	.0300000	SF	.0218535	LFr	.5654564
PRA	1.0400000	PRB	1.0098092	PRC	1.0723918	L	.0932484	min	.0677595	max	.3071960
Si	3.261092	SAB	2.935969	Sf	3.179393	K	.0254889	z	.1852841	m	.0346410
n	.0808290	gam	17.639436	b-al	10.475587	the	100.47561	phi	107.63946	2-LEVEL THRUST	
N	3.0000000	w1	.1400000	w2	.0700000	w3	.0400000	SF	.0239992	LFr	.6524878
PRA	1.0400000	PRB	.9901360	PRC	1.0345949	L	.1850395	min	.0715182	max	.2994077
Si	4.348113	SAB	3.550366	Sf	3.183142	K	.1135214	z	.0990458	m	.0461880
n	.0808290	gam	17.639436	b-al	12.246622	the	102.24664	phi	107.63946		

N	3.0000000	w1	.1400000	w2	.0700000	w3	.0400000	SF	.0239992	LFr	.5915899
PRA	1.0500000	PRB	.9887594	PRC	1.0345949	L	.1125717	min	.0715182	max	.2994077
Si	3.478500	SAB	3.115559	Sf	3.183142	K	.0410536	z	.1618047	m	.0461880
n	.0808290	gam	17.639436	b-al	12.246622	the	102.24664	phi	107.63946		
N	3.0000000	w1	.1400000	w2	.0700000	w3	.0500000	SF	.0270949	LFr	.7545652
PRA	1.0400000	PRB	.9780846	PRC	1.0264568	L	.2767048	min	.0749528	max	.2912953
Si	5.435153	SAB	4.165536	Sf	3.188403	K	.2017520	z	.0126358	m	.0577350
n	.0808290	gam	17.639436	b-al	14.029655	the	104.02968	phi	107.63946		
N	3.0000000	w1	.1400000	w2	.0700000	w3	.0500000	SF	.0270949	LFr	.6715221
PRA	1.0500000	PRB	.9747960	PRC	1.0264568	L	.1861191	min	.0749528	max	.2912953
Si	4.348125	SAB	3.622022	Sf	3.188403	K	.1111663	z	.0910853	m	.0577350
n	.0808290	gam	17.639436	b-al	14.029655	the	104.02968	phi	107.63946		
N	3.0000000	w1	.1400000	w2	.0700000	w3	.0500000	SF	.0270949	LFr	.6161604
PRA	1.0600000	PRB	.9719944	PRC	1.0264568	L	.1257286	min	.0749528	max	.2912953
Si	3.623439	SAB	3.259679	Sf	3.188403	K	.0507758	z	.1433850	m	.0577350
n	.0808290	gam	17.639436	b-al	14.029655	the	104.02968	phi	107.63946		
N	3.0000000	w1	.1400000	w2	.0700000	w3	.0500000	SF	.0270949	LFr	.5766153
PRA	1.0655654	PRB	.9641681	PRC	1.1070641	L	.0825920	min	.0749528	max	.2912953
Si	3.105800	SAB	2.987086	Sf	3.188403	K	.0076392	z	.1807424	m	.0577350
n	.0808290	gam	17.639436	b-al	14.029655	the	104.02968	phi	107.63946	2-LEVEL THRUST	
N	3.0000000	w1	.1400000	w2	.0800000	w3	.0200000	SF	.0264311	LFr	.6327515
PRA	1.0200000	PRB	1.0470117	PRC	1.0162927	L	.1865654	min	.0728177	max	.3146689
Si	4.348108	SAB	3.384960	Sf	3.189873	K	.1137477	z	.1109409	m	.0230940
n	.0923761	gam	19.470994	b-al	8.714620	the	98.714643	phi	109.47102		
N	3.0000000	w1	.1400000	w2	.0800000	w3	.0300000	SF	.0280371	LFr	.6497841
PRA	1.0300000	PRB	1.0234661	PRC	1.0143655	L	.1879006	min	.0768918	max	.3071960
Si	4.348112	SAB	3.455076	Sf	3.192441	K	.1110087	z	.1033129	m	.0346410
n	.0923761	gam	19.470994	b-al	10.475587	the	100.47561	phi	109.47102		
N	3.0000000	w1	.1400000	w2	.0800000	w3	.0300000	SF	.0280371	LFr	.5736618
PRA	1.0400000	PRB	1.0230248	PRC	1.0717924	L	.0973148	min	.0768918	max	.3071960
Si	3.261084	SAB	2.911562	Sf	3.192441	K	.0204230	z	.1817625	m	.0346410
n	.0923761	gam	19.470994	b-al	10.475587	the	100.47561	phi	109.47102	2-LEVEL THRUST	
N	3.0000000	w1	.1400000	w2	.0800000	w3	.0400000	SF	.0301828	LFr	.6677275
PRA	1.0400000	PRB	1.0023103	PRC	1.0112925	L	.1891060	min	.0806505	max	.2994077
Si	4.348105	SAB	3.525959	Sf	3.196190	K	.1084555	z	.0955241	m	.0461880
n	.0923761	gam	19.470994	b-al	12.246622	the	102.24664	phi	109.47102		
N	3.0000000	w1	.1400000	w2	.0800000	w3	.0400000	SF	.0301828	LFr	.6012936
PRA	1.0500000	PRB	1.0021061	PRC	1.0318072	L	.1166382	min	.0806505	max	.2994077
Si	3.478491	SAB	3.091152	Sf	3.196190	K	.0359877	z	.1582830	m	.0461880
n	.0923761	gam	19.470994	b-al	12.246622	the	102.24664	phi	109.47102	2-LEVEL THRUST	
N	3.0000000	w1	.1400000	w2	.0800000	w3	.0500000	SF	.0332785	LFr	.7768555
PRA	1.0400000	PRB	.9862258	PRC	1.0063973	L	.2807713	min	.0840852	max	.2912953
Si	5.435145	SAB	4.141129	Sf	3.201451	K	.1966861	z	.0091141	m	.0577350
n	.0923761	gam	19.470994	b-al	14.029655	the	104.02968	phi	109.47102		
N	3.0000000	w1	.1400000	w2	.0800000	w3	.0500000	SF	.0332785	LFr	.6868925
PRA	1.0500000	PRB	.9841448	PRC	1.0063973	L	.1901856	min	.0840852	max	.2912953
Si	4.348117	SAB	3.597615	Sf	3.201451	K	.1061004	z	.0875637	m	.0577350
n	.0923761	gam	19.470994	b-al	14.029655	the	104.02968	phi	109.47102		
N	3.0000000	w1	.1400000	w2	.0800000	w3	.0500000	SF	.0332785	LFr	.6269169
PRA	1.0600000	PRB	.9824299	PRC	1.0072435	L	.1297951	min	.0840852	max	.2912953
Si	3.623431	SAB	3.235272	Sf	3.201451	K	.0457099	z	.1398633	m	.0577350
n	.0923761	gam	19.470994	b-al	14.029655	the	104.02968	phi	109.47102	2-LEVEL THRUST	

N	3.0000000	w1	.1400000	w2	.0800000	w3	.0500000	SF	.0332785	LFr	.5840769
PRA	1.0623607	PRB	.9699906	PRC	1.1177797	L	.0866585	min	.0840852	max	.2912953
Si	3.105792	SAB	2.952726	Sf	3.201451	K	.0025733	z	.1772207	m	.0577350
n	.0923761	gam	19.470994	b-al	14.029655	the	104.02968	phi	109.47102	2-LEVEL THRUST	

N	3.0000000	w1	.1400000	w2	.0800000	w3	.0600000	SF	.0371704	LFr	.7845469
PRA	1.0500000	PRB	.9733315	PRC	.9983471	L	.2636109	min	.0871968	max	.2828599
Si	5.217744	SAB	4.104813	Sf	3.208676	K	.1764141	z	.0166702	m	.0692820
n	.0923761	gam	19.470994	b-al	15.826319	the	105.82634	phi	109.47102		

N	3.0000000	w1	.1400000	w2	.0800000	w3	.0600000	SF	.0371704	LFr	.7070389
PRA	1.0600000	PRB	.9701719	PRC	.9983471	L	.1911411	min	.0871968	max	.2828599
Si	4.348108	SAB	3.669995	Sf	3.208676	K	.1039444	z	.0794308	m	.0692820
n	.0923761	gam	19.470994	b-al	15.826319	the	105.82634	phi	109.47102		

N	3.0000000	w1	.1400000	w2	.0800000	w3	.0600000	SF	.0371704	LFr	.6516771
PRA	1.0700000	PRB	.9674142	PRC	.9983471	L	.1393776	min	.0871968	max	.2828599
Si	3.726945	SAB	3.359414	Sf	3.208676	K	.0521809	z	.1242594	m	.0692820
n	.0923761	gam	19.470994	b-al	15.826319	the	105.82634	phi	109.47102		

N	3.0000000	w1	.1400000	w2	.0800000	w3	.0600000	SF	.0371704	LFr	.6101561
PRA	1.0764174	PRB	.9604486	PRC	1.0725611	L	.1005554	min	.0871968	max	.2828599
Si	3.261079	SAB	3.114796	Sf	3.208676	K	.0133587	z	.1578804	m	.0692820
n	.0923761	gam	19.470994	b-al	15.826319	the	105.82634	phi	109.47102	2-LEVEL THRUST	

N	3.0000000	w1	.1400000	w2	.0900000	w3	.0200000	SF	.0340023	LFr	.6480017
PRA	1.0200000	PRB	1.0626047	PRC	.9930644	L	.1908741	min	.0823115	max	.3146689
Si	4.348113	SAB	3.359113	Sf	3.207403	K	.1085626	z	.1072095	m	.0230940
n	.1039231	gam	21.323511	b-al	8.714620	the	98.714643	phi	111.32353		

N	3.0000000	w1	.1400000	w2	.0900000	w3	.0300000	SF	.0356083	LFr	.6651526
PRA	1.0300000	PRB	1.0380400	PRC	.9918016	L	.1922093	min	.0863856	max	.3071960
Si	4.348118	SAB	3.429229	Sf	3.209970	K	.1058237	z	.0995815	m	.0346410
n	.1039231	gam	21.323511	b-al	10.475587	the	100.47561	phi	111.32353		

N	3.0000000	w1	.1400000	w2	.0900000	w3	.0300000	SF	.0356083	LFr	.5821095
PRA	1.0399770	PRB	1.0349499	PRC	1.0748296	L	.1016236	min	.0863856	max	.3071960
Si	3.261089	SAB	2.885640	Sf	3.209970	K	.0152380	z	.1780310	m	.0346410
n	.1039231	gam	21.323511	b-al	10.475587	the	100.47561	phi	111.32353	2-LEVEL THRUST	

N	3.0000000	w1	.1400000	w2	.0900000	w3	.0400000	SF	.0377541	LFr	.6832314
PRA	1.0400000	PRB	1.0155669	PRC	.9898283	L	.1934147	min	.0901443	max	.2994077
Si	4.348111	SAB	3.500112	Sf	3.213719	K	.1032704	z	.0917926	m	.0461880
n	.1039231	gam	21.323511	b-al	12.246622	the	102.24664	phi	111.32353		

N	3.0000000	w1	.1400000	w2	.0900000	w3	.0400000	SF	.0377541	LFr	.6112614
PRA	1.0500000	PRB	1.0152114	PRC	1.0327087	L	.1209469	min	.0901443	max	.2994077
Si	3.478497	SAB	3.065305	Sf	3.213719	K	.0308026	z	.1545516	m	.0461880
n	.1039231	gam	21.323511	b-al	12.246622	the	102.24664	phi	111.32353	2-LEVEL THRUST	

N	3.0000000	w1	.1400000	w2	.0900000	w3	.0500000	SF	.0408497	LFr	.7994289
PRA	1.0400000	PRB	.9961252	PRC	.9867818	L	.2850800	min	.0935789	max	.2912953
Si	5.435151	SAB	4.115282	Sf	3.218981	K	.1915010	z	.0053827	m	.0577350
n	.1039231	gam	21.323511	b-al	14.029655	the	104.02968	phi	111.32353		

N	3.0000000	w1	.1400000	w2	.0900000	w3	.0500000	SF	.0408497	LFr	.7025452
PRA	1.0500000	PRB	.9955355	PRC	.9867818	L	.1944943	min	.0935789	max	.2912953
Si	4.348122	SAB	3.571768	Sf	3.218981	K	.1009153	z	.0838322	m	.0577350
n	.1039231	gam	21.323511	b-al	14.029655	the	104.02968	phi	111.32353		

N	3.0000000	w1	.1400000	w2	.0900000	w3	.0500000	SF	.0408497	LFr	.6379566
PRA	1.0600000	PRB	.9944027	PRC	1.0086228	L	.1341038	min	.0935789	max	.2912953
Si	3.623436	SAB	3.209425	Sf	3.218981	K	.0405249	z	.1361319	m	.0577350
n	.1039231	gam	21.323511	b-al	14.029655	the	104.02968	phi	111.32353	2-LEVEL THRUST	

N	3.0000000	w1	.1400000	w2	.0900000	w3	.0600000	SF	.0447416	LFr	.8058987
PRA	1.0500000	PRB	.9808395	PRC	.9820402	L	.2679196	min	.0966905	max	.2828599
Si	5.217750	SAB	4.078967	Sf	3.226205	K	.1712290	z	.0129388	m	.0692820
n	.1039231	gam	21.323511	b-al	15.826319	the	105.82634	phi	111.32353		

N	3.0000000	w1	.1400000	w2	.0900000	w3	.0600000	SF	.0447416	LFr	.7228546
PRA	1.0600000	PRB	.9785533	PRC	.9820402	L	.1954498	min	.0966905	max	.2828599
Si	4.348113	SAB	3.644148	Sf	3.226205	K	.0987593	z	.0756994	m	.0692820
n	.1039231	gam	21.323511	b-al	15.826319	the	105.82634	phi	111.32353		

N	3.0000000	w1	.1400000	w2	.0900000	w3	.0600000	SF	.0447416	LFr	.6635380
PRA	1.0700000	PRB	.9764802	PRC	.9911043	L	.1436863	min	.0966905	max	.2828599
Si	3.726951	SAB	3.333567	Sf	3.226205	K	.0469958	z	.1205279	m	.0692820
n	.1039231	gam	21.323511	b-al	15.826319	the	105.82634	phi	111.32353	2-LEVEL THRUST	

N	3.0000000	w1	.1400000	w2	.0900000	w3	.0600000	SF	.0447416	LFr	.6190510
PRA	1.0738625	PRB	.9657793	PRC	1.0843668	L	.1048641	min	.0966905	max	.2828599
Si	3.261085	SAB	3.080618	Sf	3.226205	K	.0081736	z	.1541489	m	.0692820
n	.1039231	gam	21.323511	b-al	15.826319	the	105.82634	phi	111.32353	2-LEVEL THRUST	

N	3.0000000	w1	.1400000	w2	.0900000	w3	.0700000	SF	.0497179	LFr	.8181591
PRA	1.0600000	PRB	.9688989	PRC	.9743188	L	.2566719	min	.0994549	max	.2740773
Si	5.072817	SAB	4.079642	Sf	3.235935	K	.1572171	z	.0150735	m	.0808291
n	.1039231	gam	21.323511	b-al	17.639436	the	107.63946	phi	111.32353		

N	3.0000000	w1	.1400000	w2	.0900000	w3	.0700000	SF	.0497179	LFr	.7443409
PRA	1.0700000	PRB	.9658672	PRC	.9743188	L	.1962795	min	.0994549	max	.2740773
Si	4.348109	SAB	3.717288	Sf	3.235935	K	.0968247	z	.0673748	m	.0808291
n	.1039231	gam	21.323511	b-al	17.639436	the	107.63946	phi	111.32353		

N	3.0000000	w1	.1400000	w2	.0900000	w3	.0700000	SF	.0497179	LFr	.6889801
PRA	1.0800000	PRB	.9631969	PRC	.9750521	L	.1509876	min	.0994549	max	.2740773
Si	3.804606	SAB	3.445537	Sf	3.235935	K	.0515328	z	.1065988	m	.0808291
n	.1039231	gam	21.323511	b-al	17.639436	the	107.63946	phi	111.32353	2-LEVEL THRUST	

N	3.0000000	w1	.1400000	w2	.0900000	w3	.0700000	SF	.0497179	LFr	.6459198
PRA	1.0859813	PRB	.9563138	PRC	1.0506700	L	.1157589	min	.0994549	max	.2740773
Si	3.381861	SAB	3.220572	Sf	3.235935	K	.0163041	z	.1371077	m	.0808291
n	.1039231	gam	21.323511	b-al	17.639436	the	107.63946	phi	111.32353	2-LEVEL THRUST	

N	3.0000000	w1	.1400000	w2	.1000000	w3	.0200000	SF	.0431490	LFr	.6635180
PRA	1.0200000	PRB	1.0786238	PRC	.9730998	L	.1954384	min	.0921798	max	.3146689
Si	4.348120	SAB	3.331735	Sf	3.231224	K	.1032586	z	.1032567	m	.0230940
n	.1154701	gam	23.199708	b-al	8.714620	the	98.714643	phi	113.19973		

N	3.0000000	w1	.1400000	w2	.1000000	w3	.0300000	SF	.0447560	LFr	.6808090
PRA	1.0300000	PRB	1.0531483	PRC	.9722923	L	.1967735	min	.0962539	max	.3071960
Si	4.348125	SAB	3.401851	Sf	3.233791	K	.1005197	z	.0956287	m	.0346410
n	.1154701	gam	23.199708	b-al	10.475587	the	100.47561	phi	113.19973		

N	3.0000000	w1	.1400000	w2	.1000000	w3	.0300000	SF	.0447560	LFr	.5908432
PRA	1.0394839	PRB	1.0456109	PRC	1.0826453	L	.1061859	min	.0962539	max	.3071960
Si	3.261073	SAB	2.856641	Sf	3.233791	K	.0099321	z	.1740799	m	.0346410
n	.1154701	gam	23.199708	b-al	10.475587	the	100.47561	phi	113.19973	2-LEVEL THRUST	

N	3.0000000	w1	.1400000	w2	.1000000	w3	.0400000	SF	.0469017	LFr	.6990414
PRA	1.0400000	PRB	1.0295810	PRC	.9710470	L	.1979790	min	.1000125	max	.2994077
Si	4.348118	SAB	3.472733	Sf	3.237540	K	.0979665	z	.0878399	m	.0461880
n	.1154701	gam	23.199708	b-al	12.246622	the	102.24664	phi	113.19973		

N	3.0000000	w1	.1400000	w2	.1000000	w3	.0400000	SF	.0469017	LFr	.6215334
PRA	1.0500000	PRB	1.0275703	PRC	1.0371178	L	.1255093	min	.1000125	max	.2994077
Si	3.478481	SAB	3.037915	Sf	3.237540	K	.0254967	z	.1506005	m	.0461880
n	.1154701	gam	23.199708	b-al	12.246622	the	102.24664	phi	113.19973	2-LEVEL THRUST	

N	3.0000000	w1	.1400000	w2	.1000000	w3	.0500000	SF	.0499964	LFr	.8223276
PRA	1.0400000	PRB	1.0070565	PRC	.9691639	L	.2896443	min	.1034472	max	.2912953
Si	5.435158	SAB	4.087904	Sf	3.242802	K	.1861971	z	.0014299	m	.0577350
n	.1154701	gam	23.199708	b-al	14.029655	the	104.02968	phi	113.19973		

N	3.0000000	w1	.1400000	w2	.1000000	w3	.0500000	SF	.0499964	LFr	.7185221
PRA	1.0500000	PRB	1.0081386	PRC	.9691639	L	.1990566	min	.1034472	max	.2912953
Si	4.348106	SAB	3.544378	Sf	3.242802	K	.0956094	z	.0798811	m	.0577350
n	.1154701	gam	23.199708	b-al	14.029655	the	104.02968	phi	113.19973		

N	3.0000000	w1	.1400000	w2	.1000000	w3	.0500000	SF	.0499964	LFr	.6493197
PRA	1.0600000	PRB	1.0064773	PRC	1.0125381	L	.1386662	min	.1034472	max	.2912953
Si	3.623421	SAB	3.182035	Sf	3.242802	K	.0352190	z	.1321808	m	.0577350
n	.1154701	gam	23.199708	b-al	14.029655	the	104.02968	phi	113.19973	2-LEVEL THRUST	

N	3.0000000	w1	.1400000	w2	.1000000	w3	.0600000	SF	.0538893	LFr	.8275957
PRA	1.0500000	PRB	.9903379	PRC	.9663202	L	.2724819	min	.1065588	max	.2828599
Si	5.217734	SAB	4.051576	Sf	3.250026	K	.1659231	z	.0089876	m	.0692820
n	.1154701	gam	23.199708	b-al	15.826319	the	105.82634	phi	113.19973		

N	3.0000000	w1	.1400000	w2	.1000000	w3	.0600000	SF	.0538893	LFr	.7390175
PRA	1.0600000	PRB	.9891764	PRC	.9663202	L	.2000141	min	.1065588	max	.2828599
Si	4.348120	SAB	3.616770	Sf	3.250026	K	.0934553	z	.0717466	m	.0692820
n	.1154701	gam	23.199708	b-al	15.826319	the	105.82634	phi	113.19973		

N	3.0000000	w1	.1400000	w2	.1000000	w3	.0600000	SF	.0538893	LFr	.6757469
PRA	1.0700000	PRB	.9870510	PRC	.9959090	L	.1482506	min	.1065588	max	.2828599
Si	3.726958	SAB	3.306188	Sf	3.250026	K	.0416918	z	.1165751	m	.0692820
n	.1154701	gam	23.199708	b-al	15.826319	the	105.82634	phi	113.19973	2-LEVEL THRUST	

N	3.0000000	w1	.1400000	w2	.1000000	w3	.0600000	SF	.0538893	LFr	.6282940
PRA	1.0700859	PRB	.9721146	PRC	1.0994205	L	.1094284	min	.1065588	max	.2828599
Si	3.261092	SAB	3.040924	Sf	3.250026	K	.0028696	z	.1501961	m	.0692820
n	.1154701	gam	23.199708	b-al	15.826319	the	105.82634	phi	113.19973	2-LEVEL THRUST	

N	3.0000000	w1	.1400000	w2	.1000000	w3	.0700000	SF	.0588656	LFr	.8391342
PRA	1.0600000	PRB	.9757059	PRC	.9619346	L	.2612343	min	.1093231	max	.2740773
Si	5.072802	SAB	4.052252	Sf	3.259756	K	.1519112	z	.0111224	m	.0808291
n	.1154701	gam	23.199708	b-al	17.639436	the	107.63946	phi	113.19973		

N	3.0000000	w1	.1400000	w2	.1000000	w3	.0700000	SF	.0588656	LFr	.7607050
PRA	1.0700000	PRB	.9733202	PRC	.9619346	L	.2008438	min	.1093231	max	.2740773
Si	4.348116	SAB	3.689910	Sf	3.259756	K	.0915207	z	.0634220	m	.0808291
n	.1154701	gam	23.199708	b-al	17.639436	the	107.63946	phi	113.19973		

N	3.0000000	w1	.1400000	w2	.1000000	w3	.0700000	SF	.0588656	LFr	.7018843
PRA	1.0800000	PRB	.9706631	PRC	.9824816	L	.1555519	min	.1093231	max	.2740773
Si	3.804613	SAB	3.418158	Sf	3.259756	K	.0462288	z	.1026460	m	.0808291
n	.1154701	gam	23.199708	b-al	17.639436	the	107.63946	phi	113.19973	2-LEVEL THRUST	

N	3.0000000	w1	.1400000	w2	.1000000	w3	.0700000	SF	.0588656	LFr	.6561327
PRA	1.0834352	PRB	.9606748	PRC	1.0655064	L	.1203232	min	.1093231	max	.2740773
Si	3.381868	SAB	3.184583	Sf	3.259756	K	.0110001	z	.1331550	m	.0808291
n	.1154701	gam	23.199708	b-al	17.639436	the	107.63946	phi	113.19973	2-LEVEL THRUST	

N	3.0000000	w1	.1400000	w2	.1000000	w3	.0800000	SF	.0650635	LFr	.8547917
PRA	1.0700000	PRB	.9647556	PRC	.9548081	L	.2533150	min	.1117378	max	.2649449
Si	4.969270	SAB	4.074359	Sf	3.272803	K	.1415772	z	.0100718	m	.0923761
n	.1154701	gam	23.199708	b-al	19.470994	the	109.47102	phi	113.19973		

N	3.0000000	w1	.1400000	w2	.1000000	w3	.0800000	SF	.0650635	LFr	.7836113
PRA	1.0800000	PRB	.9618473	PRC	.9548081	L	.2015514	min	.1117378	max	.2649449
Si	4.348108	SAB	3.763778	Sf	3.272803	K	.0898137	z	.0549003	m	.0923761
n	.1154701	gam	23.199708	b-al	19.470994	the	109.47102	phi	113.19973		

N	3.0000000	w1	.1400000	w2	.1000000	w3	.0800000	SF	.0650635	LFr	.7282496
PRA	1.0900000	PRB	.9589843	PRC	.9689301	L	.1612911	min	.1117378	max	.2649449
Si	3.864984	SAB	3.522216	Sf	3.272803	K	.0495534	z	.0897668	m	.0923761
n	.1154701	gam	23.199708	b-al	19.470994	the	109.47102	phi	113.19973	2-LEVEL THRUST	
N	3.0000000	w1	.1400000	w2	.1000000	w3	.0800000	SF	.0650635	LFr	.6839609
PRA	1.0946179	PRB	.9521950	PRC	1.0383253	L	.1290836	min	.1117378	max	.2649449
Si	3.478494	SAB	3.310249	Sf	3.272803	K	.0173459	z	.1176593	m	.0923761
n	.1154701	gam	23.199708	b-al	19.470994	the	109.47102	phi	113.19973	2-LEVEL THRUST	
N	3.0000000	w1	.1400000	w2	.1100000	w3	.0200000	SF	.0541268	LFr	.6793566
PRA	1.0200000	PRB	1.0950572	PRC	.9571108	L	.2002735	min	.1024382	max	.3146689
Si	4.348113	SAB	3.302717	Sf	3.264421	K	.0978353	z	.0990694	m	.0230940
n	.1270171	gam	25.102621	b-al	8.714620	the	98.714643	phi	115.10264		
N	3.0000000	w1	.1400000	w2	.1100000	w3	.0300000	SF	.0557327	LFr	.6968069
PRA	1.0300000	PRB	1.0687302	PRC	.9566244	L	.2016087	min	.1065123	max	.3071960
Si	4.348118	SAB	3.372833	Sf	3.266989	K	.0950964	z	.0914413	m	.0346410
n	.1270171	gam	25.102621	b-al	10.475587	the	100.47561	phi	115.10264		
N	3.0000000	w1	.1400000	w2	.1100000	w3	.0300000	SF	.0557327	LFr	.5999231
PRA	1.0381155	PRB	1.0546998	PRC	1.0971886	L	.1110230	min	.1065123	max	.3071960
Si	3.261089	SAB	2.823173	Sf	3.266989	K	.0045107	z	.1698909	m	.0346410
n	.1270171	gam	25.102621	b-al	10.475587	the	100.47561	phi	115.10264	2-LEVEL THRUST	
N	3.0000000	w1	.1400000	w2	.1100000	w3	.0400000	SF	.0578795	LFr	.7152119
PRA	1.0400000	PRB	1.0441930	PRC	.9558821	L	.2028141	min	.1102710	max	.2994077
Si	4.348111	SAB	3.443716	Sf	3.270738	K	.0925432	z	.0836525	m	.0461880
n	.1270171	gam	25.102621	b-al	12.246622	the	102.24664	phi	115.10264		
N	3.0000000	w1	.1400000	w2	.1100000	w3	.0400000	SF	.0578795	LFr	.6321697
PRA	1.0499585	PRB	1.0387221	PRC	1.0465460	L	.1303463	min	.1102710	max	.2994077
Si	3.478497	SAB	3.008764	Sf	3.270738	K	.0200754	z	.1464115	m	.0461880
n	.1270171	gam	25.102621	b-al	12.246622	the	102.24664	phi	115.10264	2-LEVEL THRUST	
N	3.0000000	w1	.1400000	w2	.1100000	w3	.0500000	SF	.0609741	LFr	.7348843
PRA	1.0500000	PRB	1.0215865	PRC	.9547734	L	.2038937	min	.1137056	max	.2912953
Si	4.348122	SAB	3.515372	Sf	3.275999	K	.0901881	z	.0756921	m	.0577350
n	.1270171	gam	25.102621	b-al	14.029655	the	104.02968	phi	115.10264		
N	3.0000000	w1	.1400000	w2	.1100000	w3	.0500000	SF	.0609741	LFr	.6610680
PRA	1.0600000	PRB	1.0180261	PRC	1.0206032	L	.1435032	min	.1137056	max	.2912953
Si	3.623437	SAB	3.153029	Sf	3.275999	K	.0297976	z	.1279918	m	.0577350
n	.1270171	gam	25.102621	b-al	14.029655	the	104.02968	phi	115.10264	2-LEVEL THRUST	
N	3.0000000	w1	.1400000	w2	.1100000	w3	.0600000	SF	.0648661	LFr	.8497009
PRA	1.0500000	PRB	1.0010105	PRC	.9531299	L	.2773190	min	.1168172	max	.2828599
Si	5.217750	SAB	4.022570	Sf	3.283224	K	.1605017	z	.0047986	m	.0692820
n	.1270171	gam	25.102621	b-al	15.826319	the	105.82634	phi	115.10264		
N	3.0000000	w1	.1400000	w2	.1100000	w3	.0600000	SF	.0648661	LFr	.7555847
PRA	1.0600000	PRB	1.0011329	PRC	.9531299	L	.2048493	min	.1168172	max	.2828599
Si	4.348113	SAB	3.587752	Sf	3.283224	K	.0880320	z	.0675593	m	.0692820
n	.1270171	gam	25.102621	b-al	15.826319	the	105.82634	phi	115.10264		
N	3.0000000	w1	.1400000	w2	.1100000	w3	.0600000	SF	.0648661	LFr	.6883593
PRA	1.0700000	PRB	.9976963	PRC	1.0041604	L	.1530857	min	.1168172	max	.2828599
Si	3.726951	SAB	3.277171	Sf	3.283224	K	.0362685	z	.1123878	m	.0692820
n	.1270171	gam	25.102621	b-al	15.826319	the	105.82634	phi	115.10264	2-LEVEL THRUST	
N	3.0000000	w1	.1400000	w2	.1100000	w3	.0700000	SF	.0698433	LFr	.8605385
PRA	1.0600000	PRB	.9847038	PRC	.9506715	L	.2660713	min	.1195816	max	.2740773
Si	5.072817	SAB	4.023246	Sf	3.292953	K	.1464898	z	.0069334	m	.0808291
n	.1270171	gam	25.102621	b-al	17.639436	the	107.63946	phi	115.10264		

N	3.0000000	w1	.1400000	w2	.1100000	w3	.0700000	SF	.0698433	LFr	.7774935
PRA	1.0700000	PRB	.9831898	PRC	.9506715	L	.2056790	min	.1195816	max	.2740773
Si	4.348109	SAB	3.660892	Sf	3.292953	K	.0860974	z	.0592347	m	.0808291
n	.1270171	gam	25.102621	b-al	17.639436	the	107.63946	phi	115.10264		
N	3.0000000	w1	.1400000	w2	.1100000	w3	.0700000	SF	.0698433	LFr	.7152119
PRA	1.0800000	PRB	.9796152	PRC	.9918376	L	.1603871	min	.1195816	max	.2740773
Si	3.804606	SAB	3.389140	Sf	3.292953	K	.0408056	z	.0984586	m	.0808291
n	.1270171	gam	25.102621	b-al	17.639436	the	107.63946	phi	115.10264	2-LEVEL THRUST	
N	3.0000000	w1	.1400000	w2	.1100000	w3	.0700000	SF	.0698433	LFr	.6667690
PRA	1.0797633	PRB	.9663086	PRC	1.0841890	L	.1251583	min	.1195816	max	.2740773
Si	3.381861	SAB	3.143147	Sf	3.292953	K	.0055768	z	.1289676	m	.0808291
n	.1270171	gam	25.102621	b-al	17.639436	the	107.63946	phi	115.10264	2-LEVEL THRUST	
N	3.0000000	w1	.1400000	w2	.1100000	w3	.0800000	SF	.0760412	LFr	.8757753
PRA	1.0700000	PRB	.9708269	PRC	.9468838	L	.2581520	min	.1219962	max	.2649449
Si	4.969286	SAB	4.045353	Sf	3.306001	K	.1361558	z	.0058828	m	.0923761
n	.1270171	gam	25.102621	b-al	19.470994	the	109.47102	phi	115.10264		
N	3.0000000	w1	.1400000	w2	.1100000	w3	.0800000	SF	.0760412	LFr	.8006411
PRA	1.0800000	PRB	.9684009	PRC	.9468838	L	.2063885	min	.1219962	max	.2649449
Si	4.348124	SAB	3.734771	Sf	3.306001	K	.0843923	z	.0507113	m	.0923761
n	.1270171	gam	25.102621	b-al	19.470994	the	109.47102	phi	115.10264		
N	3.0000000	w1	.1400000	w2	.1100000	w3	.0800000	SF	.0760412	LFr	.7422037
PRA	1.0900006	PRB	.9647184	PRC	.9810192	L	.1661282	min	.1219962	max	.2649449
Si	3.865000	SAB	3.493211	Sf	3.306001	K	.0441320	z	.0855778	m	.0923761
n	.1270171	gam	25.102621	b-al	19.470994	the	109.47102	phi	115.10264	2-LEVEL THRUST	
N	3.0000000	w1	.1400000	w2	.1100000	w3	.0800000	SF	.0760412	LFr	.6954517
PRA	1.0918181	PRB	.9553415	PRC	1.0577880	L	.1339188	min	.1219962	max	.2649449
Si	3.478487	SAB	3.271491	Sf	3.306001	K	.0119226	z	.1134720	m	.0923761
n	.1270171	gam	25.102621	b-al	19.470994	the	109.47102	phi	115.10264	2-LEVEL THRUST	
N	3.0000000	w1	.1400000	w2	.1100000	w3	.0900000	SF	.0835629	LFr	.8942013
PRA	1.0800000	PRB	.9608673	PRC	.9406707	L	.2522698	min	.1240498	max	.2554515
Si	4.891641	SAB	4.081124	Sf	3.323531	K	.1282200	z	.0027555	m	.1039231
n	.1270171	gam	25.102621	b-al	21.323511	the	111.32353	phi	115.10264		
N	3.0000000	w1	.1400000	w2	.1100000	w3	.0900000	SF	.0835629	LFr	.8249979
PRA	1.0900000	PRB	.9580755	PRC	.9406707	L	.2069760	min	.1240498	max	.2554515
Si	4.348115	SAB	3.809361	Sf	3.323531	K	.0829262	z	.0419810	m	.1039231
n	.1270171	gam	25.102621	b-al	21.323511	the	111.32353	phi	115.10264		
N	3.0000000	w1	.1400000	w2	.1100000	w3	.0900000	SF	.0835629	LFr	.7696362
PRA	1.0999214	PRB	.9545647	PRC	.9693941	L	.1707420	min	.1240498	max	.2554515
Si	3.913309	SAB	3.591649	Sf	3.323531	K	.0466923	z	.0733605	m	.1039231
n	.1270171	gam	25.102621	b-al	21.323511	the	111.32353	phi	115.10264	2-LEVEL THRUST	
N	3.0000000	w1	.1400000	w2	.1100000	w3	.0900000	SF	.0835629	LFr	.7243405
PRA	1.1027165	PRB	.9479355	PRC	1.0347982	L	.1410961	min	.1240498	max	.2554515
Si	3.557557	SAB	3.388170	Sf	3.323531	K	.0170464	z	.0990347	m	.1039231
n	.1270171	gam	25.102621	b-al	21.323511	the	111.32353	phi	115.10264	2-LEVEL THRUST	
N	3.0000000	w1	.1400000	w2	.1200000	w3	.0200000	SF	.0672436	LFr	.6955834
PRA	1.0200000	PRB	1.1119154	PRC	.9465876	L	.2054005	min	.1131048	max	.3146689
Si	4.348119	SAB	3.271961	Sf	3.313115	K	.0922957	z	.0946293	m	.0230940
n	.1385641	gam	27.035633	b-al	8.714620	the	98.714643	phi	117.03566		
N	3.0000000	w1	.1400000	w2	.1200000	w3	.0300000	SF	.0688496	LFr	.7132177
PRA	1.0300000	PRB	1.0847651	PRC	.9463320	L	.2067356	min	.1171789	max	.3071960
Si	4.348124	SAB	3.342077	Sf	3.315683	K	.0895567	z	.0870013	m	.0346410
n	.1385641	gam	27.035633	b-al	10.475587	the	100.47561	phi	117.03566		

N	3.0000000	w1	.1400000	w2	.1200000	w3	.0400000	SF	.0709963	LFr	.7318192
PRA	1.0400000	PRB	1.0593293	PRC	.9459444	L	.2079411	min	.1209376	max	.2994077
Si	4.348116	SAB	3.412960	Sf	3.319432	K	.0870035	z	.0792124	m	.0461880
n	.1385641	gam	27.035633	b-al	12.246622	the	102.24664	phi	117.03566		
N	3.0000000	w1	.1400000	w2	.1200000	w3	.0400000	SF	.0709963	LFr	.6432409
PRA	1.0494341	PRB	1.0488623	PRC	1.0633728	L	.1354733	min	.1209376	max	.2994077
Si	3.478503	SAB	2.976184	Sf	3.319432	K	.0145357	z	.1419714	m	.0461880
n	.1385641	gam	27.035633	b-al	12.246622	the	102.24664	phi	117.03566	2-LEVEL THRUST	
N	3.0000000	w1	.1400000	w2	.1200000	w3	.0500000	SF	.0740910	LFr	.7517042
PRA	1.0500000	PRB	1.0357001	PRC	.9453694	L	.2090206	min	.1243722	max	.2912953
Si	4.348128	SAB	3.484616	Sf	3.324693	K	.0846484	z	.0712520	m	.0577350
n	.1385641	gam	27.035633	b-al	14.029655	the	104.02968	phi	117.03566		
N	3.0000000	w1	.1400000	w2	.1200000	w3	.0500000	SF	.0740910	LFr	.6732750
PRA	1.0598968	PRB	1.0286933	PRC	1.0352536	L	.1486302	min	.1243722	max	.2912953
Si	3.623442	SAB	3.121899	Sf	3.324693	K	.0242579	z	.1235517	m	.0577350
n	.1385641	gam	27.035633	b-al	14.029655	the	104.02968	phi	117.03566	2-LEVEL THRUST	
N	3.0000000	w1	.1400000	w2	.1200000	w3	.0600000	SF	.0779839	LFr	.8722811
PRA	1.0500000	PRB	1.0124918	PRC	.9445285	L	.2824440	min	.1274839	max	.2828599
Si	5.217733	SAB	3.991803	Sf	3.331918	K	.1549602	z	.0003602	m	.0692820
n	.1385641	gam	27.035633	b-al	15.826319	the	105.82634	phi	117.03566		
N	3.0000000	w1	.1400000	w2	.1200000	w3	.0600000	SF	.0779839	LFr	.7726307
PRA	1.0600000	PRB	1.0140188	PRC	.9445285	L	.2099762	min	.1274839	max	.2828599
Si	4.348119	SAB	3.556996	Sf	3.331918	K	.0824924	z	.0631192	m	.0692820
n	.1385641	gam	27.035633	b-al	15.826319	the	105.82634	phi	117.03566		
N	3.0000000	w1	.1400000	w2	.1200000	w3	.0600000	SF	.0779839	LFr	.7014504
PRA	1.0699582	PRB	1.0080766	PRC	1.0181639	L	.1582127	min	.1274839	max	.2828599
Si	3.726957	SAB	3.246259	Sf	3.331918	K	.0307288	z	.1079477	m	.0692820
n	.1385641	gam	27.035633	b-al	15.826319	the	105.82634	phi	117.03566	2-LEVEL THRUST	
N	3.0000000	w1	.1400000	w2	.1200000	w3	.0700000	SF	.0829601	LFr	.8824377
PRA	1.0600000	PRB	.9950061	PRC	.9432904	L	.2711964	min	.1302482	max	.2740773
Si	5.072800	SAB	3.992479	Sf	3.341648	K	.1409482	z	.0024949	m	.0808291
n	.1385641	gam	27.035633	b-al	17.639436	the	107.63946	phi	117.03566		
N	3.0000000	w1	.1400000	w2	.1200000	w3	.0700000	SF	.0829601	LFr	.7947817
PRA	1.0700000	PRB	.9945076	PRC	.9432904	L	.2108059	min	.1302482	max	.2740773
Si	4.348115	SAB	3.630136	Sf	3.341648	K	.0805577	z	.0547946	m	.0808291
n	.1385641	gam	27.035633	b-al	17.639436	the	107.63946	phi	117.03566		
N	3.0000000	w1	.1400000	w2	.1200000	w3	.0700000	SF	.0829601	LFr	.7290411
PRA	1.0799162	PRB	.9889062	PRC	1.0062744	L	.1655140	min	.1302482	max	.2740773
Si	3.804612	SAB	3.358065	Sf	3.341648	K	.0352658	z	.0940186	m	.0808291
n	.1385641	gam	27.035633	b-al	17.639436	the	107.63946	phi	117.03566	2-LEVEL THRUST	
N	3.0000000	w1	.1400000	w2	.1200000	w3	.0700000	SF	.0829601	LFr	.6773060
PRA	1.0744986	PRB	.9717343	PRC	1.1112465	L	.1302853	min	.1302482	max	.2740773
Si	3.381867	SAB	3.094587	Sf	3.341648	K	.0000371	z	.1245275	m	.0808291
n	.1385641	gam	27.035633	b-al	17.639436	the	107.63946	phi	117.03566	2-LEVEL THRUST	
N	3.0000000	w1	.1400000	w2	.1200000	w3	.0800000	SF	.0891581	LFr	.8972788
PRA	1.0700000	PRB	.9792737	PRC	.9414350	L	.2632771	min	.1326628	max	.2649449
Si	4.969269	SAB	4.014585	Sf	3.354695	K	.1306143	z	.0014444	m	.0923761
n	.1385641	gam	27.035633	b-al	19.470994	the	109.47102	phi	117.03566		
N	3.0000000	w1	.1400000	w2	.1200000	w3	.0800000	SF	.0891581	LFr	.8181906
PRA	1.0800000	PRB	.9775358	PRC	.9414350	L	.2115135	min	.1326628	max	.2649449
Si	4.348106	SAB	3.704004	Sf	3.354695	K	.0788507	z	.0462729	m	.0923761
n	.1385641	gam	27.035633	b-al	19.470994	the	109.47102	phi	117.03566		

N	3.0000000	w1	.1400000	w2	.1200000	w3	.0800000	SF	.0891581	LFr	.7566767		
PRA	1.0897445	PRB	.9721739	PRC	.9968980	L	.1712532	min	.1326628	max	.2649449		
Si	3.864983	SAB	3.461453	Sf	3.354695	K	.0385904	z	.0811394	m	.0923761		
n	.1385641	gam	27.035633	b-al	19.470994	the	109.47102	phi	117.03566	2-LEVEL THRUST			
N	3.0000000	w1	.1400000	w2	.1200000	w3	.0800000	SF	.0891581	LFr	.7074680		
PRA	1.0878715	PRB	.9599822	PRC	1.0829039	L	.1390457	min	.1326628	max	.2649449		
Si	3.478493	SAB	3.227007	Sf	3.354695	K	.0063829	z	.1090319	m	.0923761		
n	.1385641	gam	27.035633	b-al	19.470994	the	109.47102	phi	117.03566	2-LEVEL THRUST			
N	3.0000000	w1	.1400000	w2	.1200000	w3	.0900000	SF	.0966797	LFr	.8428269		
PRA	1.0900000	PRB	.9637620	PRC	.9385412	L	.2121029	min	.1347164	max	.2554515		
Si	4.348121	SAB	3.778605	Sf	3.372225	K	.0773865	z	.0375410	m	.1039231		
n	.1385641	gam	27.035633	b-al	21.323511	the	111.32353	phi	117.03566				
N	3.0000000	w1	.1400000	w2	.1200000	w3	.0900000	SF	.0966797	LFr	.7846975		
PRA	1.0995890	PRB	.9587608	PRC	.9881115	L	.1758690	min	.1347164	max	.2554515		
Si	3.913314	SAB	3.559593	Sf	3.372225	K	.0411526	z	.0689205	m	.1039231		
n	.1385641	gam	27.035633	b-al	21.323511	the	111.32353	phi	117.03566	2-LEVEL THRUST			
N	3.0000000	w1	.1400000	w2	.1200000	w3	.0900000	SF	.0966797	LFr	.7371340		
PRA	1.0991872	PRB	.9500451	PRC	1.0611976	L	.1462212	min	.1347164	max	.2554515		
Si	3.557540	SAB	3.344846	Sf	3.372225	K	.0115048	z	.0945962	m	.1039231		
n	.1385641	gam	27.035633	b-al	21.323511	the	111.32353	phi	117.03566	2-LEVEL THRUST			
N	3.0000000	w1	.1400000	w2	.1200000	w3	.1000000	SF	.1058035	LFr	.8688345		
PRA	1.1000000	PRB	.9545208	PRC	.9336791	L	.2125721	min	.1363952	max	.2455832		
Si	4.348124	SAB	3.853915	Sf	3.396046	K	.0761769	z	.0285885	m	.1154701		
n	.1385641	gam	27.035633	b-al	23.199708	the	113.19973	phi	117.03566				
N	3.0000000	w1	.1400000	w2	.1200000	w3	.1000000	SF	.1058035	LFr	.8134699		
PRA	1.1092191	PRB	.9503046	PRC	.9782284	L	.1796303	min	.1363952	max	.2455832		
Si	3.952822	SAB	3.653175	Sf	3.396046	K	.0432351	z	.0571169	m	.1154701		
n	.1385641	gam	27.035633	b-al	23.199708	the	113.19973	phi	117.03566	2-LEVEL THRUST			
N	3.0000000	w1	.1400000	w2	.1200000	w3	.1000000	SF	.1058035	LFr	.7673378		
PRA	1.1096916	PRB	.9440552	PRC	1.0414205	L	.1521816	min	.1363952	max	.2455832		
Si	3.623438	SAB	3.454220	Sf	3.396046	K	.0157865	z	.0808882	m	.1154701		
n	.1385641	gam	27.035633	b-al	23.199708	the	113.19973	phi	117.03566	2-LEVEL THRUST			
N	3.0000000	w1	.1600000	w2	.0400000	w3	.0200000	SF	.0084067	LFr	.6346645		
PRA	1.0200000	PRB	.9909796	PRC	1.1858819	L	.1822701	min	.0386011	max	.2944158		
Si	4.348133	SAB	3.410757	Sf	3.150344	K	.1436690	z	.0971211	m	.0230940		
n	.0461880	gam	13.050236	b-al	9.281672	the	99.281695	phi	103.05026				
N	3.0000000	w1	.1600000	w2	.0400000	w3	.0200000	SF	.0084067	LFr	.5793028		
PRA	1.0300000	PRB	.9885998	PRC	1.1863694	L	.0614891	min	.0386011	max	.2944158		
Si	2.898761	SAB	2.686072	Sf	3.150344	K	.0228880	z	.2017205	m	.0230940		
n	.0461880	gam	13.050236	b-al	9.281672	the	99.281695	phi	103.05026	2-LEVEL THRUST			
N	3.0000000	w1	.1600000	w2	.0500000	w3	.0200000	SF	.0114737	LFr	.6501427		
PRA	1.0200000	PRB	1.0036286	PRC	1.1503193	L	.1857834	min	.0468719	max	.2944158		
Si	4.348108	SAB	3.389653	Sf	3.153817	K	.1389115	z	.0940784	m	.0230940		
n	.0577350	gam	14.955219	b-al	9.281672	the	99.281695	phi	104.95524				
N	3.0000000	w1	.1600000	w2	.0500000	w3	.0200000	SF	.0114737	LFr	.5855541		
PRA	1.0300000	PRB	1.0035226	PRC	1.1792816	L	.0650025	min	.0468719	max	.2944158		
Si	2.898737	SAB	2.664967	Sf	3.153817	K	.0181306	z	.1986778	m	.0230940		
n	.0577350	gam	14.955219	b-al	9.281672	the	99.281695	phi	104.95524	2-LEVEL THRUST			
N	3.0000000	w1	.1600000	w2	.0500000	w3	.0300000	SF	.0131016	LFr	.6678085		
PRA	1.0300000	PRB	.9849431	PRC	1.1417706	L	.1870728	min	.0508347	max	.2868316		
Si	4.348115	SAB	3.460045	Sf	3.155540	K	.1362381	z	.0863937	m	.0346410		
n	.0577350	gam	14.955219	b-al	11.159840	the	101.15986	phi	104.95524				

N	3.0000000	w1	.1600000	w2	.0500000	w3	.0300000	SF	.0131016	LFr	.6124458
PRA	1.0400000	PRB	.9821372	PRC	1.1417706	L	.0964871	min	.0508347	max	.2868316
Si	3.261086	SAB	2.916531	Sf	3.155540	K	.0456524	z	.1648432	m	.0346410
n	.0577350	gam	14.955219	b-al	11.159840	the	101.15986	phi	104.95524		

N	3.0000000	w1	.1600000	w2	.0600000	w3	.0200000	SF	.0154362	LFr	.6657458
PRA	1.0200000	PRB	1.0176599	PRC	1.1159362	L	.1895199	min	.0554932	max	.2944158
Si	4.348115	SAB	3.367240	Sf	3.158537	K	.1340267	z	.0908425	m	.0230940
n	.0692820	gam	16.876945	b-al	9.281672	the	99.281695	phi	106.87697		

N	3.0000000	w1	.1600000	w2	.0600000	w3	.0200000	SF	.0154362	LFr	.5919294
PRA	1.0300000	PRB	1.0178943	PRC	1.1742466	L	.0687390	min	.0554932	max	.2944158
Si	2.898744	SAB	2.642555	Sf	3.158537	K	.0132457	z	.1954419	m	.0230940
n	.0692820	gam	16.876945	b-al	9.281672	the	99.281695	phi	106.87697	2-LEVEL THRUST	

N	3.0000000	w1	.1600000	w2	.0600000	w3	.0300000	SF	.0170641	LFr	.6834927
PRA	1.0300000	PRB	.9965204	PRC	1.1106561	L	.1908093	min	.0594560	max	.2868316
Si	4.348122	SAB	3.437633	Sf	3.160259	K	.1313532	z	.0831578	m	.0346410
n	.0692820	gam	16.876945	b-al	11.159840	the	101.15986	phi	106.87697		

N	3.0000000	w1	.1600000	w2	.0600000	w3	.0300000	SF	.0170641	LFr	.6212101
PRA	1.0400000	PRB	.9958669	PRC	1.1106561	L	.1002235	min	.0594560	max	.2868316
Si	3.261093	SAB	2.894119	Sf	3.160259	K	.0407675	z	.1616073	m	.0346410
n	.0692820	gam	16.876945	b-al	11.159840	the	101.15986	phi	106.87697		

N	3.0000000	w1	.1600000	w2	.0600000	w3	.0400000	SF	.0192442	LFr	.7021494
PRA	1.0400000	PRB	.9794196	PRC	1.1015519	L	.1919613	min	.0630800	max	.2789086
Si	4.348116	SAB	3.508838	Sf	3.162757	K	.1288813	z	.0752986	m	.0461880
n	.0692820	gam	16.876945	b-al	13.050236	the	103.05026	phi	106.87697		

N	3.0000000	w1	.1600000	w2	.0600000	w3	.0400000	SF	.0192442	LFr	.6467877
PRA	1.0500000	PRB	.9765086	PRC	1.1015519	L	.1194935	min	.0630800	max	.2789086
Si	3.478502	SAB	3.074031	Sf	3.162757	K	.0564135	z	.1380575	m	.0461880
n	.0692820	gam	16.876945	b-al	13.050236	the	103.05026	phi	106.87697		

N	3.0000000	w1	.1600000	w2	.0600000	w3	.0400000	SF	.0192442	LFr	.6098795
PRA	1.0575018	PRB	.9693279	PRC	1.1749878	L	.0711804	min	.0630800	max	.2789086
Si	2.898745	SAB	2.776910	Sf	3.162757	K	.0081003	z	.1798980	m	.0461880
n	.0692820	gam	16.876945	b-al	13.050236	the	103.05026	phi	106.87697	2-LEVEL THRUST	

N	3.0000000	w1	.1600000	w2	.0700000	w3	.0200000	SF	.0204563	LFr	.6815214
PRA	1.0200000	PRB	1.0325143	PRC	1.0836441	L	.1934967	min	.0644895	max	.2944158
Si	4.348103	SAB	3.343367	Sf	3.164803	K	.1290073	z	.0873985	m	.0230940
n	.0808290	gam	18.818803	b-al	9.281672	the	99.281695	phi	108.81882		

N	3.0000000	w1	.1600000	w2	.0700000	w3	.0200000	SF	.0204563	LFr	.5984783
PRA	1.0298849	PRB	1.0309194	PRC	1.1724508	L	.0727158	min	.0644895	max	.2944158
Si	2.898732	SAB	2.618347	Sf	3.164803	K	.0082263	z	.1919979	m	.0230940
n	.0808290	gam	18.818803	b-al	9.281672	the	99.281695	phi	108.81882	2-LEVEL THRUST	

N	3.0000000	w1	.1600000	w2	.0700000	w3	.0300000	SF	.0220842	LFr	.6993685
PRA	1.0300000	PRB	1.0097373	PRC	1.0801777	L	.1947880	min	.0684523	max	.2868316
Si	4.348132	SAB	3.413771	Sf	3.166525	K	.1263357	z	.0797121	m	.0346410
n	.0808290	gam	18.818803	b-al	11.159840	the	101.15986	phi	108.81882		

N	3.0000000	w1	.1600000	w2	.0700000	w3	.0300000	SF	.0220842	LFr	.6301651
PRA	1.0400000	PRB	1.0115217	PRC	1.0906581	L	.1042004	min	.0684523	max	.2868316
Si	3.261081	SAB	2.870246	Sf	3.166525	K	.0357481	z	.1581633	m	.0346410
n	.0808290	gam	18.818803	b-al	11.159840	the	101.15986	phi	108.81882	2-LEVEL THRUST	

N	3.0000000	w1	.1600000	w2	.0700000	w3	.0400000	SF	.0242643	LFr	.7181397
PRA	1.0400000	PRB	.9899509	PRC	1.0745147	L	.1959400	min	.0720763	max	.2789086
Si	4.348126	SAB	3.484976	Sf	3.169023	K	.1238638	z	.0718529	m	.0461880
n	.0808290	gam	18.818803	b-al	13.050236	the	103.05026	phi	108.81882		

N	3.0000000	wl	.1600000	w2	.0700000	w3	.0400000	SF	.0242643	LFr	.6572399
PRA	1.0500000	PRB	.9885183	PRC	1.0745147	L	.1234703	min	.0720763	max	.2789086
Si	3.478490	SAB	3.050158	Sf	3.169023	K	.0513941	z	.1346135	m	.0461880
n	.0808290	gam	18.818803	b-al	13.050236	the	103.05026	phi	108.81882		
N	3.0000000	wl	.1600000	w2	.0700000	w3	.0400000	SF	.0242643	LFr	.6166411
PRA	1.0549355	PRB	.9773294	PRC	1.1809940	L	.0751572	min	.0720763	max	.2789086
Si	2.898732	SAB	2.745597	Sf	3.169023	K	.0030809	z	.1764539	m	.0461880
n	.0808290	gam	18.818803	b-al	13.050236	the	103.05026	phi	108.81882	2-LEVEL THRUST	
N	3.0000000	wl	.1600000	w2	.0700000	w3	.0500000	SF	.0273838	LFr	.7381306
PRA	1.0500000	PRB	.9743352	PRC	1.0651127	L	.1969566	min	.0753524	max	.2706377
Si	4.348110	SAB	3.556982	Sf	3.172496	K	.1216043	z	.0638097	m	.0577350
n	.0808290	gam	18.818803	b-al	14.955219	the	104.95524	phi	108.81882		
N	3.0000000	wl	.1600000	w2	.0700000	w3	.0500000	SF	.0273838	LFr	.6827688
PRA	1.0600000	PRB	.9714242	PRC	1.0651127	L	.1365662	min	.0753524	max	.2706377
Si	3.623424	SAB	3.194639	Sf	3.172496	K	.0612138	z	.1161093	m	.0577350
n	.0808290	gam	18.818803	b-al	14.955219	the	104.95524	phi	108.81882		
N	3.0000000	wl	.1600000	w2	.0700000	w3	.0500000	SF	.0273838	LFr	.6432238
PRA	1.0690763	PRB	.9659795	PRC	1.1197694	L	.0934296	min	.0753524	max	.2706377
Si	3.105785	SAB	2.932949	Sf	3.172496	K	.0180772	z	.1534667	m	.0577350
n	.0808290	gam	18.818803	b-al	14.955219	the	104.95524	phi	108.81882	2-LEVEL THRUST	
N	3.0000000	wl	.1600000	w2	.0800000	w3	.0200000	SF	.0266829	LFr	.6975136
PRA	1.0200000	PRB	1.0479603	PRC	1.0537865	L	.1977272	min	.0738650	max	.2944158
Si	4.348123	SAB	3.318005	Sf	3.173048	K	.1238623	z	.0837348	m	.0230940
n	.0923761	gam	20.783323	b-al	9.281672	the	99.281695	phi	110.78334		
N	3.0000000	wl	.1600000	w2	.0800000	w3	.0200000	SF	.0266829	LFr	.6052418
PRA	1.0289739	PRB	1.0421671	PRC	1.1753948	L	.0769444	min	.0738650	max	.2944158
Si	2.898729	SAB	2.590333	Sf	3.173048	K	.0030794	z	.1883358	m	.0230940
n	.0923761	gam	20.783323	b-al	9.281672	the	99.281695	phi	110.78334	2-LEVEL THRUST	
N	3.0000000	wl	.1600000	w2	.0800000	w3	.0300000	SF	.0283108	LFr	.7154770
PRA	1.0300000	PRB	1.0239280	PRC	1.0514330	L	.1990147	min	.0778277	max	.2868316
Si	4.348107	SAB	3.388386	Sf	3.174770	K	.1211869	z	.0760517	m	.0346410
n	.0923761	gam	20.783323	b-al	11.159840	the	101.15986	phi	110.78334		
N	3.0000000	wl	.1600000	w2	.0800000	w3	.0300000	SF	.0283108	LFr	.6393538
PRA	1.0400000	PRB	1.0269450	PRC	1.0866820	L	.1084290	min	.0778277	max	.2868316
Si	3.261078	SAB	2.844872	Sf	3.174770	K	.0306012	z	.1545012	m	.0346410
n	.0923761	gam	20.783323	b-al	11.159840	the	101.15986	phi	110.78334	2-LEVEL THRUST	
N	3.0000000	wl	.1600000	w2	.0800000	w3	.0400000	SF	.0304909	LFr	.7343846
PRA	1.0400000	PRB	1.0023546	PRC	1.0477130	L	.2001686	min	.0814518	max	.2789086
Si	4.348124	SAB	3.459602	Sf	3.177268	K	.1187169	z	.0681908	m	.0461880
n	.0923761	gam	20.783323	b-al	13.050236	the	103.05026	phi	110.78334		
N	3.0000000	wl	.1600000	w2	.0800000	w3	.0400000	SF	.0304909	LFr	.6679497
PRA	1.0500000	PRB	1.0026930	PRC	1.0477130	L	.1276989	min	.0814518	max	.2789086
Si	3.478488	SAB	3.024784	Sf	3.177268	K	.0462472	z	.1309514	m	.0461880
n	.0923761	gam	20.783323	b-al	13.050236	the	103.05026	phi	110.78334		
N	3.0000000	wl	.1600000	w2	.0800000	w3	.0500000	SF	.0336113	LFr	.7545262
PRA	1.0500000	PRB	.9838486	PRC	1.0418579	L	.2011871	min	.0847279	max	.2706377
Si	4.348130	SAB	3.531619	Sf	3.180741	K	.1164593	z	.0601459	m	.0577350
n	.0923761	gam	20.783323	b-al	14.955219	the	104.95524	phi	110.78334		
N	3.0000000	wl	.1600000	w2	.0800000	w3	.0500000	SF	.0336113	LFr	.6945496
PRA	1.0600000	PRB	.9820019	PRC	1.0418579	L	.1407948	min	.0847279	max	.2706377
Si	3.623422	SAB	3.169265	Sf	3.180741	K	.0560669	z	.1124473	m	.0577350
n	.0923761	gam	20.783323	b-al	14.955219	the	104.95524	phi	110.78334		

N	3.0000000	w1	.1600000	w2	.0800000	w3	.0500000	SF	.0336113	LFr	.6517105
PRA	1.0677486	PRB	.9737398	PRC	1.1250425	L	.0976601	min	.0847279	max	.2706377
Si	3.105806	SAB	2.903465	Sf	3.180741	K	.0129322	z	.1498030	m	.0577350
n	.0923761	gam	20.783323	b-al	14.955219	the	104.95524	phi	110.78334	2-LEVEL THRUST	
N	3.0000000	w1	.1600000	w2	.0800000	w3	.0600000	SF	.0375452	LFr	.7756863
PRA	1.0600000	PRB	.9696291	PRC	1.0323829	L	.2020741	min	.0876536	max	.2620164
Si	4.348116	SAB	3.604406	Sf	3.185461	K	.1144205	z	.0519116	m	.0692820
n	.0923761	gam	20.783323	b-al	16.876944	the	106.87697	phi	110.78334		
N	3.0000000	w1	.1600000	w2	.0800000	w3	.0600000	SF	.0375452	LFr	.7203245
PRA	1.0700000	PRB	.9667654	PRC	1.0323829	L	.1503105	min	.0876536	max	.2620164
Si	3.726953	SAB	3.293824	Sf	3.185461	K	.0626570	z	.0967401	m	.0692820
n	.0923761	gam	20.783323	b-al	16.876944	the	106.87697	phi	110.78334		
N	3.0000000	w1	.1600000	w2	.0800000	w3	.0600000	SF	.0375452	LFr	.6788035
PRA	1.0792453	PRB	.9617350	PRC	1.0829749	L	.1114884	min	.0876536	max	.2620164
Si	3.261087	SAB	3.058429	Sf	3.185461	K	.0238348	z	.1303611	m	.0692820
n	.0923761	gam	20.783323	b-al	16.876944	the	106.87697	phi	110.78334	2-LEVEL THRUST	
N	3.0000000	w1	.1600000	w2	.0900000	w3	.0200000	SF	.0342779	LFr	.7137680
PRA	1.0200000	PRB	1.0639000	PRC	1.0265293	L	.2022228	min	.0836355	max	.2944158
Si	4.348113	SAB	3.291021	Sf	3.183844	K	.1185874	z	.0798415	m	.0230940
n	.1039231	gam	22.773790	b-al	9.281672	the	99.281695	phi	112.77381		
N	3.0000000	w1	.1600000	w2	.0900000	w3	.0300000	SF	.0359059	LFr	.7318726
PRA	1.0300000	PRB	1.0388074	PRC	1.0249086	L	.2035122	min	.0875982	max	.2868316
Si	4.348120	SAB	3.361414	Sf	3.185567	K	.1159140	z	.0721567	m	.0346410
n	.1039231	gam	22.773790	b-al	11.159840	the	101.15986	phi	112.77381		
N	3.0000000	w1	.1600000	w2	.0900000	w3	.0300000	SF	.0359059	LFr	.6488295
PRA	1.0400000	PRB	1.0414597	PRC	1.0854724	L	.1129265	min	.0875982	max	.2868316
Si	3.261091	SAB	2.817900	Sf	3.185567	K	.0253283	z	.1506062	m	.0346410
n	.1039231	gam	22.773790	b-al	11.159840	the	101.15986	phi	112.77381	2-LEVEL THRUST	
N	3.0000000	w1	.1600000	w2	.0900000	w3	.0400000	SF	.0380859	LFr	.7509337
PRA	1.0400000	PRB	1.0158729	PRC	1.0223985	L	.2046642	min	.0912223	max	.2789086
Si	4.348114	SAB	3.432618	Sf	3.188065	K	.1134420	z	.0642975	m	.0461880
n	.1039231	gam	22.773790	b-al	13.050236	the	103.05026	phi	112.77381		
N	3.0000000	w1	.1600000	w2	.0900000	w3	.0400000	SF	.0380859	LFr	.6789637
PRA	1.0500000	PRB	1.0175778	PRC	1.0450937	L	.1321964	min	.0912223	max	.2789086
Si	3.478500	SAB	2.997811	Sf	3.188065	K	.0409742	z	.1270565	m	.0461880
n	.1039231	gam	22.773790	b-al	13.050236	the	103.05026	phi	112.77381	2-LEVEL THRUST	
N	3.0000000	w1	.1600000	w2	.0900000	w3	.0500000	SF	.0412064	LFr	.7712460
PRA	1.0500000	PRB	.9954500	PRC	1.0185697	L	.2056828	min	.0944983	max	.2706377
Si	4.348120	SAB	3.504635	Sf	3.191538	K	.1111844	z	.0562526	m	.0577350
n	.1039231	gam	22.773790	b-al	14.955219	the	104.95524	phi	112.77381		
N	3.0000000	w1	.1600000	w2	.0900000	w3	.0500000	SF	.0412064	LFr	.7066565
PRA	1.0600000	PRB	.9949646	PRC	1.0208119	L	.1452923	min	.0944983	max	.2706377
Si	3.623434	SAB	3.142292	Sf	3.191538	K	.0507940	z	.1085523	m	.0577350
n	.1039231	gam	22.773790	b-al	14.955219	the	104.95524	phi	112.77381	2-LEVEL THRUST	
N	3.0000000	w1	.1600000	w2	.0900000	w3	.0500000	SF	.0412064	LFr	.6605215
PRA	1.0655753	PRB	.9822349	PRC	1.1322533	L	.1021557	min	.0944983	max	.2706377
Si	3.105795	SAB	2.869730	Sf	3.191538	K	.0076574	z	.1459097	m	.0577350
n	.1039231	gam	22.773790	b-al	14.955219	the	104.95524	phi	112.77381	2-LEVEL THRUST	
N	3.0000000	w1	.1600000	w2	.0900000	w3	.0600000	SF	.0451403	LFr	.7925959
PRA	1.0600000	PRB	.9781534	PRC	1.0127036	L	.2065716	min	.0974241	max	.2620164
Si	4.348129	SAB	3.577433	Sf	3.196257	K	.1091475	z	.0480166	m	.0692820
n	.1039231	gam	22.773790	b-al	16.876944	the	106.87697	phi	112.77381		

N	3.0000000	wl	.1600000	w2	.0900000	w3	.0600000	SF	.0451403	LFr	.7332792
PRA	1.0700000	PRB	.9760764	PRC	1.0127036	L	.1548081	min	.0974241	max	.2620164
Si	3.726966	SAB	3.266852	Sf	3.196257	K	.0573840	z	.0928452	m	.0692820
n	.1039231	gam	22.773790	b-al	16.876944	the	106.87697	phi	112.77381		

N	3.0000000	wl	.1600000	w2	.0900000	w3	.0600000	SF	.0451403	LFr	.6887903
PRA	1.0780317	PRB	.9686426	PRC	1.0899231	L	.1159840	min	.0974241	max	.2620164
Si	3.261077	SAB	3.027487	Sf	3.196257	K	.0185599	z	.1264678	m	.0692820
n	.1039231	gam	22.773790	b-al	16.876944	the	106.87697	phi	112.77381	2-LEVEL THRUST	

N	3.0000000	wl	.1600000	w2	.0900000	w3	.0700000	SF	.0501585	LFr	.8151560
PRA	1.0700000	PRB	.9652476	PRC	1.0033591	L	.2073250	min	.0999748	max	.2530201
Si	4.348108	SAB	3.651015	Sf	3.202523	K	.1073502	z	.0395731	m	.0808291
n	.1039231	gam	22.773790	b-al	18.818803	the	108.81882	phi	112.77381		

N	3.0000000	wl	.1600000	w2	.0900000	w3	.0700000	SF	.0501585	LFr	.7597952
PRA	1.0800000	PRB	.9624529	PRC	1.0033591	L	.1620331	min	.0999748	max	.2530201
Si	3.804606	SAB	3.379263	Sf	3.202523	K	.0620583	z	.0787971	m	.0808291
n	.1039231	gam	22.773790	b-al	18.818803	the	108.81882	phi	112.77381		

N	3.0000000	wl	.1600000	w2	.0900000	w3	.0700000	SF	.0501585	LFr	.7167349
PRA	1.0889574	PRB	.9572962	PRC	1.0572057	L	.1268044	min	.0999748	max	.2530201
Si	3.381861	SAB	3.164364	Sf	3.202523	K	.0268296	z	.1093060	m	.0808291
n	.1039231	gam	22.773790	b-al	18.818803	the	108.81882	phi	112.77381	2-LEVEL THRUST	

N	3.0000000	wl	.1600000	w2	.1000000	w3	.0200000	SF	.0434237	LFr	.7303391
PRA	1.0200000	PRB	1.0802965	PRC	1.0020132	L	.2070046	min	.0938170	max	.2944158
Si	4.348114	SAB	3.262331	Sf	3.197995	K	.1131875	z	.0757004	m	.0230940
n	.1154701	gam	24.793708	b-al	9.281672	the	99.281695	phi	114.79373		

N	3.0000000	wl	.1600000	w2	.1000000	w3	.0300000	SF	.0450516	LFr	.7486048
PRA	1.0300000	PRB	1.0542507	PRC	1.0008963	L	.2082939	min	.0977798	max	.2868316
Si	4.348120	SAB	3.332724	Sf	3.199718	K	.1105141	z	.0680156	m	.0346410
n	.1154701	gam	24.793708	b-al	11.159840	the	101.15986	phi	114.79373		

N	3.0000000	wl	.1600000	w2	.1000000	w3	.0300000	SF	.0450516	LFr	.6586409
PRA	1.0400000	PRB	1.0547189	PRC	1.0876616	L	.1177082	min	.0977798	max	.2868316
Si	3.261092	SAB	2.789209	Sf	3.199718	K	.0199284	z	.1464651	m	.0346410
n	.1154701	gam	24.793708	b-al	11.159840	the	101.15986	phi	114.79373	2-LEVEL THRUST	

N	3.0000000	wl	.1600000	w2	.1000000	w3	.0400000	SF	.0472317	LFr	.7678404
PRA	1.0400000	PRB	1.0301789	PRC	.9991896	L	.2094460	min	.1014038	max	.2789086
Si	4.348114	SAB	3.403928	Sf	3.202216	K	.1080421	z	.0601564	m	.0461880
n	.1154701	gam	24.793708	b-al	13.050236	the	103.05026	phi	114.79373		

N	3.0000000	wl	.1600000	w2	.1000000	w3	.0400000	SF	.0472317	LFr	.6903343
PRA	1.0500000	PRB	1.0318685	PRC	1.0451974	L	.1369782	min	.1014038	max	.2789086
Si	3.478501	SAB	2.969121	Sf	3.202216	K	.0355743	z	.1229154	m	.0461880
n	.1154701	gam	24.793708	b-al	13.050236	the	103.05026	phi	114.79373	2-LEVEL THRUST	

N	3.0000000	wl	.1600000	w2	.1000000	w3	.0500000	SF	.0503521	LFr	.7883473
PRA	1.0500000	PRB	1.0082989	PRC	.9966403	L	.2104645	min	.1046799	max	.2706377
Si	4.348121	SAB	3.475945	Sf	3.205688	K	.1057846	z	.0521115	m	.0577350
n	.1154701	gam	24.793708	b-al	14.955219	the	104.95524	phi	114.79373		

N	3.0000000	wl	.1600000	w2	.1000000	w3	.0500000	SF	.0503521	LFr	.7191448
PRA	1.0600000	PRB	1.0086138	PRC	1.0207826	L	.1500740	min	.1046799	max	.2706377
Si	3.623435	SAB	3.113602	Sf	3.205688	K	.0453941	z	.1044112	m	.0577350
n	.1154701	gam	24.793708	b-al	14.955219	the	104.95524	phi	114.79373	2-LEVEL THRUST	

N	3.0000000	wl	.1600000	w2	.1000000	w3	.0500000	SF	.0503521	LFr	.6697140
PRA	1.0620976	PRB	.9902525	PRC	1.1438058	L	.1069374	min	.1046799	max	.2706377
Si	3.105796	SAB	2.830239	Sf	3.205688	K	.0022575	z	.1417686	m	.0577350
n	.1154701	gam	24.793708	b-al	14.955219	the	104.95524	phi	114.79373	2-LEVEL THRUST	

N	3.0000000	wl	.1600000	w2	.1000000	w3	.0600000	SF	.0542860	LFr	.8099051
PRA	1.0600000	PRB	.9889688	PRC	.9928521	L	.2113514	min	.1076056	max	.2620164
Si	4.348106	SAB	3.548732	Sf	3.210408	K	.1037458	z	.0438772	m	.0692820
n	.1154701	gam	24.793708	b-al	16.876944	the	106.87697	phi	114.79373		

N	3.0000000	wl	.1600000	w2	.1000000	w3	.0600000	SF	.0542860	LFr	.7466335
PRA	1.0700000	PRB	.9878202	PRC	1.0036570	L	.1595879	min	.1076056	max	.2620164
Si	3.726944	SAB	3.238150	Sf	3.210408	K	.0519822	z	.0887057	m	.0692820
n	.1154701	gam	24.793708	b-al	16.876944	the	106.87697	phi	114.79373	2-LEVEL THRUST	

N	3.0000000	wl	.1600000	w2	.1000000	w3	.0600000	SF	.0542860	LFr	.6991816
PRA	1.0763275	PRB	.9765326	PRC	1.0983279	L	.1207657	min	.1076056	max	.2620164
Si	3.281078	SAB	2.993240	Sf	3.210408	K	.0131601	z	.1223267	m	.0692820
n	.1154701	gam	24.793708	b-al	16.876944	the	106.87697	phi	114.79373	2-LEVEL THRUST	

N	3.0000000	wl	.1600000	w2	.1000000	w3	.0700000	SF	.0593043	LFr	.8326931
PRA	1.0700000	PRB	.9728224	PRC	.9871375	L	.2121067	min	.1101564	max	.2530201
Si	4.348109	SAB	3.622325	Sf	3.216674	K	.1019504	z	.0354320	m	.0808291
n	.1154701	gam	24.793708	b-al	18.818803	the	108.81882	phi	114.79373		

N	3.0000000	wl	.1600000	w2	.1000000	w3	.0700000	SF	.0593043	LFr	.7738724
PRA	1.0800000	PRB	.9706584	PRC	.9890573	L	.1668148	min	.1101564	max	.2530201
Si	3.804606	SAB	3.350574	Sf	3.216674	K	.0566585	z	.0746560	m	.0808291
n	.1154701	gam	24.793708	b-al	18.818803	the	108.81882	phi	114.79373	2-LEVEL THRUST	

N	3.0000000	wl	.1600000	w2	.1000000	w3	.0700000	SF	.0593043	LFr	.7281208
PRA	1.0876868	PRB	.9629754	PRC	1.0667349	L	.1315861	min	.1101564	max	.2530201
Si	3.381861	SAB	3.131377	Sf	3.216674	K	.0214297	z	.1051650	m	.0808291
n	.1154701	gam	24.793708	b-al	18.818803	the	108.81882	phi	114.79373	2-LEVEL THRUST	

N	3.0000000	wl	.1600000	w2	.1000000	w3	.0800000	SF	.0655441	LFr	.8567505
PRA	1.0800000	PRB	.9611549	PRC	.9781182	L	.2127342	min	.1123279	max	.2436446
Si	4.348117	SAB	3.696691	Sf	3.224919	K	.1004064	z	.0267692	m	.0923761
n	.1154701	gam	24.793708	b-al	20.783323	the	110.78334	phi	114.79373		

N	3.0000000	wl	.1600000	w2	.1000000	w3	.0800000	SF	.0655441	LFr	.8013887
PRA	1.0900000	PRB	.9584391	PRC	.9781182	L	.1724739	min	.1123279	max	.2436446
Si	3.864994	SAB	3.455129	Sf	3.224919	K	.0601461	z	.0616356	m	.0923761
n	.1154701	gam	24.793708	b-al	20.783323	the	110.78334	phi	114.79373		

N	3.0000000	wl	.1600000	w2	.1000000	w3	.0800000	SF	.0655441	LFr	.7571011
PRA	1.0981796	PRB	.9530289	PRC	1.0394130	L	.1402664	min	.1123279	max	.2436446
Si	3.478504	SAB	3.255552	Sf	3.224919	K	.0279386	z	.0895281	m	.0923761
n	.1154701	gam	24.793708	b-al	20.783323	the	110.78334	phi	114.79373	2-LEVEL THRUST	

N	3.0000000	wl	.1600000	w2	.1000000	w3	.0800000	SF	.0655441	LFr	.7208614
PRA	1.0915163	PRB	.9442876	PRC	1.1214586	L	.1139126	min	.1123279	max	.2436446
Si	3.162258	SAB	3.045309	Sf	3.224919	K	.0015847	z	.1123512	m	.0923761
n	.1154701	gam	24.793708	b-al	20.783323	the	110.78334	phi	114.79373	2-LEVEL THRUST	

N	3.0000000	wl	.1600000	w2	.1100000	w3	.0200000	SF	.0543347	LFr	.7472887
PRA	1.0200000	PRB	1.0971429	PRC	.9804480	L	.2120934	min	.1044301	max	.2944158
Si	4.348123	SAB	3.231808	Sf	3.216680	K	.1076633	z	.0712933	m	.0230940
n	.1270171	gam	26.847105	b-al	9.281672	the	99.281695	phi	116.84713		

N	3.0000000	wl	.1600000	w2	.1100000	w3	.0300000	SF	.0559626	LFr	.7657366
PRA	1.0300000	PRB	1.0702005	PRC	.9796884	L	.2133808	min	.1083929	max	.2868316
Si	4.348107	SAB	3.302189	Sf	3.218402	K	.1049880	z	.0636102	m	.0346410
n	.1270171	gam	26.847105	b-al	11.159840	the	101.15986	phi	116.84713		

N	3.0000000	wl	.1600000	w2	.1100000	w3	.0300000	SF	.0559626	LFr	.6688528
PRA	1.0399626	PRB	1.0658673	PRC	1.0946014	L	.1227951	min	.1083929	max	.2868316
Si	3.261078	SAB	2.758552	Sf	3.218402	K	.0144022	z	.1420598	m	.0346410
n	.1270171	gam	26.847105	b-al	11.159840	the	101.15986	phi	116.84713	2-LEVEL THRUST	

N	3.0000000	w1	.1600000	w2	.1100000	w3	.0400000	SF	.0581427	LFr	.7851763		
PRA	1.0400000	PRB	1.0451141	PRC	.9785398	L	.2145348	min	.1120169	max	.2789086		
Si	4.348124	SAB	3.373405	Sf	3.220900	K	.1025179	z	.0557494	m	.0461880		
n	.1270171	gam	26.847105	b-al	13.050236	the	103.05026	phi	116.84713				
N	3.0000000	w1	.1600000	w2	.1100000	w3	.0400000	SF	.0581427	LFr	.7021322		
PRA	1.0500000	PRB	1.0454591	PRC	1.0484115	L	.1420651	min	.1120169	max	.2789086		
Si	3.478488	SAB	2.938587	Sf	3.220900	K	.0300482	z	.1185100	m	.0461880		
n	.1270171	gam	26.847105	b-al	13.050236	the	103.05026	phi	116.84713	2-LEVEL THRUST			
N	3.0000000	w1	.1600000	w2	.1100000	w3	.0500000	SF	.0612631	LFr	.8058977		
PRA	1.0500000	PRB	1.0220248	PRC	.9768470	L	.2155533	min	.1152930	max	.2706377		
Si	4.348130	SAB	3.445422	Sf	3.224373	K	.1002603	z	.0477045	m	.0577350		
n	.1270171	gam	26.847105	b-al	14.955219	the	104.95524	phi	116.84713				
N	3.0000000	w1	.1600000	w2	.1100000	w3	.0500000	SF	.0612631	LFr	.7320795		
PRA	1.0600000	PRB	1.0219359	PRC	1.0233839	L	.1551609	min	.1152930	max	.2706377		
Si	3.623422	SAB	3.083068	Sf	3.224373	K	.0398679	z	.1000058	m	.0577350		
n	.1270171	gam	26.847105	b-al	14.955219	the	104.95524	phi	116.84713	2-LEVEL THRUST			
N	3.0000000	w1	.1600000	w2	.1100000	w3	.0600000	SF	.0651970	LFr	.8276882		
PRA	1.0600000	PRB	1.0011553	PRC	.9743805	L	.2164402	min	.1182187	max	.2620164		
Si	4.348116	SAB	3.518209	Sf	3.229093	K	.0982215	z	.0394701	m	.0692820		
n	.1270171	gam	26.847105	b-al	16.876944	the	106.87697	phi	116.84713				
N	3.0000000	w1	.1600000	w2	.1100000	w3	.0600000	SF	.0651970	LFr	.7604628		
PRA	1.0700000	PRB	1.0000681	PRC	1.0066234	L	.1646767	min	.1182187	max	.2620164		
Si	3.726953	SAB	3.207627	Sf	3.229093	K	.0464580	z	.0842987	m	.0692820		
n	.1270171	gam	26.847105	b-al	16.876944	the	106.87697	phi	116.84713	2-LEVEL THRUST			
N	3.0000000	w1	.1600000	w2	.1100000	w3	.0600000	SF	.0651970	LFr	.7100449		
PRA	1.0735554	PRB	.9844129	PRC	1.1105552	L	.1258545	min	.1182187	max	.2620164		
Si	3.261087	SAB	2.953677	Sf	3.229093	K	.0076358	z	.1179197	m	.0692820		
n	.1270171	gam	26.847105	b-al	16.876944	the	106.87697	phi	116.84713	2-LEVEL THRUST			
N	3.0000000	w1	.1600000	w2	.1100000	w3	.0700000	SF	.0702152	LFr	.8507309		
PRA	1.0700000	PRB	.9828664	PRC	.9707756	L	.2171955	min	.1207694	max	.2530201		
Si	4.348118	SAB	3.591802	Sf	3.235359	K	.0964261	z	.0310250	m	.0808291		
n	.1270171	gam	26.847105	b-al	18.818803	the	108.81882	phi	116.84713				
N	3.0000000	w1	.1600000	w2	.1100000	w3	.0700000	SF	.0702152	LFr	.7884474		
PRA	1.0800000	PRB	.9809157	PRC	.9934535	L	.1719017	min	.1207694	max	.2530201		
Si	3.804593	SAB	3.320039	Sf	3.235359	K	.0511323	z	.0702506	m	.0808291		
n	.1270171	gam	26.847105	b-al	18.818803	the	108.81882	phi	116.84713	2-LEVEL THRUST			
N	3.0000000	w1	.1600000	w2	.1100000	w3	.0700000	SF	.0702152	LFr	.7400074		
PRA	1.0858135	PRB	.9700231	PRC	1.0778223	L	.1366749	min	.1207694	max	.2530201		
Si	3.381871	SAB	3.094519	Sf	3.235359	K	.0159055	z	.1007579	m	.0808291		
n	.1270171	gam	26.847105	b-al	18.818803	the	108.81882	phi	116.84713	2-LEVEL THRUST			
N	3.0000000	w1	.1600000	w2	.1100000	w3	.0800000	SF	.0764551	LFr	.8750572		
PRA	1.0800000	PRB	.9678096	PRC	.9653839	L	.2178230	min	.1229409	max	.2436446		
Si	4.348127	SAB	3.666168	Sf	3.243604	K	.0948821	z	.0223621	m	.0923761		
n	.1270171	gam	26.847105	b-al	20.783323	the	110.78334	phi	116.84713				
N	3.0000000	w1	.1600000	w2	.1100000	w3	.0800000	SF	.0764551	LFr	.8166189		
PRA	1.0900000	PRB	.9653276	PRC	.9811662	L	.1775627	min	.1229409	max	.2436446		
Si	3.865003	SAB	3.424606	Sf	3.243604	K	.0546218	z	.0572286	m	.0923761		
n	.1270171	gam	26.847105	b-al	20.783323	the	110.78334	phi	116.84713	2-LEVEL THRUST			
N	3.0000000	w1	.1600000	w2	.1100000	w3	.0800000	SF	.0764551	LFr	.7698679		
PRA	1.0966578	PRB	.9572977	PRC	1.0523553	L	.1453533	min	.1229409	max	.2436446		
Si	3.478491	SAB	3.219723	Sf	3.243604	K	.0224124	z	.0851227	m	.0923761		
n	.1270171	gam	26.847105	b-al	20.783323	the	110.78334	phi	116.84713	2-LEVEL THRUST			

N	3.0000000	w1	.1600000	w2	.1100000	w3	.0900000	SF	.0840054	LFr	.9006538
PRA	1.0900000	PRB	.9573127	PRC	.9568927	L	.2183228	min	.1247177	max	.2338744
Si	4.348128	SAB	3.741293	Sf	3.254400	K	.0936050	z	.0134681	m	.1039231
n	.1270171	gam	26.847105	b-al	22.773790	the	112.77381	phi	116.84713		

N	3.0000000	w1	.1600000	w2	.1100000	w3	.0900000	SF	.0840054	LFr	.8452902
PRA	1.1000000	PRB	.9546323	PRC	.9674177	L	.1820870	min	.1247177	max	.2338744
Si	3.913299	SAB	3.523878	Sf	3.254400	K	.0573692	z	.0448493	m	.1039231
n	.1270171	gam	26.847105	b-al	22.773790	the	112.77381	phi	116.84713	2-LEVEL THRUST	

N	3.0000000	w1	.1600000	w2	.1100000	w3	.0900000	SF	.0840054	LFr	.7999945
PRA	1.1069720	PRB	.9487674	PRC	1.0284557	L	.1524410	min	.1247177	max	.2338744
Si	3.557548	SAB	3.335229	Sf	3.254400	K	.0277233	z	.0705234	m	.1039231
n	.1270171	gam	26.847105	b-al	22.773790	the	112.77381	phi	116.84713	2-LEVEL THRUST	

N	3.0000000	w1	.1600000	w2	.1100000	w3	.0900000	SF	.0840054	LFr	.7622461
PRA	1.1000767	PRB	.9407496	PRC	1.1042443	L	.1277352	min	.1247177	max	.2338744
Si	3.261077	SAB	3.132794	Sf	3.254400	K	.0030174	z	.0919193	m	.1039231
n	.1270171	gam	26.847105	b-al	22.773790	the	112.77381	phi	116.84713	2-LEVEL THRUST	

N	3.0000000	w1	.1600000	w2	.1200000	w3	.0200000	SF	.0672522	LFr	.7646961
PRA	1.0200000	PRB	1.1144572	PRC	.9622110	L	.2175102	min	.1154974	max	.2944158
Si	4.348112	SAB	3.199295	Sf	3.241779	K	.1020128	z	.0666022	m	.0230940
n	.1385641	gam	28.938463	b-al	9.281672	the	99.281695	phi	118.93848		

N	3.0000000	w1	.1600000	w2	.1200000	w3	.0300000	SF	.0688801	LFr	.7833557
PRA	1.0300000	PRB	1.0866417	PRC	.9617112	L	.2187996	min	.1194602	max	.2868316
Si	4.348118	SAB	3.269688	Sf	3.243501	K	.0993394	z	.0589174	m	.0346410
n	.1385641	gam	28.938463	b-al	11.159840	the	101.15986	phi	118.93848		

N	3.0000000	w1	.1600000	w2	.1200000	w3	.0300000	SF	.0688801	LFr	.6795521
PRA	1.0392519	PRB	1.0760459	PRC	1.1066713	L	.1282139	min	.1194602	max	.2868316
Si	3.261090	SAB	2.723733	Sf	3.243501	K	.0087537	z	.1373670	m	.0346410
n	.1385641	gam	28.938463	b-al	11.159840	the	101.15986	phi	118.93848	2-LEVEL THRUST	

N	3.0000000	w1	.1600000	w2	.1200000	w3	.0400000	SF	.0710602	LFr	.8030176
PRA	1.0400000	PRB	1.0606091	PRC	.9609607	L	.2199516	min	.1230842	max	.2789086
Si	4.348113	SAB	3.340892	Sf	3.245999	K	.0968674	z	.0510582	m	.0461880
n	.1385641	gam	28.938463	b-al	13.050236	the	103.05026	phi	118.93848		

N	3.0000000	w1	.1600000	w2	.1200000	w3	.0400000	SF	.0710602	LFr	.7144394
PRA	1.0500000	PRB	1.0576327	PRC	1.0561004	L	.1474838	min	.1230842	max	.2789086
Si	3.478499	SAB	2.906085	Sf	3.245999	K	.0243996	z	.1138172	m	.0461880
n	.1385641	gam	28.938463	b-al	13.050236	the	103.05026	phi	118.93848	2-LEVEL THRUST	

N	3.0000000	w1	.1600000	w2	.1200000	w3	.0500000	SF	.0741806	LFr	.8239803
PRA	1.0500000	PRB	1.0364501	PRC	.9598646	L	.2209702	min	.1263603	max	.2706377
Si	4.348119	SAB	3.412909	Sf	3.249472	K	.0946098	z	.0430133	m	.0577350
n	.1385641	gam	28.938463	b-al	14.955219	the	104.95524	phi	118.93848		

N	3.0000000	w1	.1600000	w2	.1200000	w3	.0500000	SF	.0741806	LFr	.7455511
PRA	1.0600000	PRB	1.0345347	PRC	1.0296444	L	.1605797	min	.1263603	max	.2706377
Si	3.623433	SAB	3.050567	Sf	3.249472	K	.0342194	z	.0953130	m	.0577350
n	.1385641	gam	28.938463	b-al	14.955219	the	104.95524	phi	118.93848	2-LEVEL THRUST	

N	3.0000000	w1	.1600000	w2	.1200000	w3	.0600000	SF	.0781145	LFr	.8460322
PRA	1.0600000	PRB	1.0143055	PRC	.9582914	L	.2218590	min	.1292861	max	.2620164
Si	4.348127	SAB	3.485707	Sf	3.254192	K	.0925729	z	.0347773	m	.0692820
n	.1385641	gam	28.938463	b-al	16.876944	the	106.87697	phi	118.93848		

N	3.0000000	w1	.1600000	w2	.1200000	w3	.0600000	SF	.0781145	LFr	.7748528
PRA	1.0700000	PRB	1.0119998	PRC	1.0127489	L	.1700955	min	.1292861	max	.2620164
Si	3.726965	SAB	3.175126	Sf	3.254192	K	.0408094	z	.0796059	m	.0692820
n	.1385641	gam	28.938463	b-al	16.876944	the	106.87697	phi	118.93848	2-LEVEL THRUST	

N	3.0000000	w1	.1600000	w2	.1200000	w3	.0600000	SF	.0781145	LFr	.7214651
PRA	1.0693370	PRB	.9913695	PRC	1.1290203	L	.1312714	min	.1292861	max	.2620164
Si	3.261076	SAB	2.907407	Sf	3.254192	K	.0019853	z	.1132285	m	.0692820
n	.1385641	gam	28.938463	b-al	16.876944	the	106.87697	phi	118.93848	2-LEVEL THRUST	
N	3.0000000	w1	.1600000	w2	.1200000	w3	.0700000	SF	.0831328	LFr	.8693485
PRA	1.0700000	PRB	.9943983	PRC	.9560366	L	.2226124	min	.1318368	max	.2530201
Si	4.348107	SAB	3.559289	Sf	3.260457	K	.0907756	z	.0263339	m	.0808291
n	.1385641	gam	28.938463	b-al	18.818803	the	108.81882	phi	118.93848		
N	3.0000000	w1	.1600000	w2	.1200000	w3	.0700000	SF	.0831328	LFr	.8036080
PRA	1.0800000	PRB	.9915855	PRC	1.0001788	L	.1773205	min	.1318368	max	.2530201
Si	3.804604	SAB	3.287537	Sf	3.260457	K	.0454837	z	.0655578	m	.0808291
n	.1385641	gam	28.938463	b-al	18.818803	the	108.81882	phi	118.93848	2-LEVEL THRUST	
N	3.0000000	w1	.1600000	w2	.1200000	w3	.0700000	SF	.0831328	LFr	.7524738
PRA	1.0829831	PRB	.9773264	PRC	1.0929310	L	.1420918	min	.1318368	max	.2530201
Si	3.381859	SAB	3.052433	Sf	3.260457	K	.0102550	z	.0960668	m	.0808291
n	.1385641	gam	28.938463	b-al	18.818803	the	108.81882	phi	118.93848	2-LEVEL THRUST	
N	3.0000000	w1	.1600000	w2	.1200000	w3	.0800000	SF	.0893726	LFr	.8939715
PRA	1.0800000	PRB	.9771009	PRC	.9527662	L	.2232399	min	.1340083	max	.2436446
Si	4.348116	SAB	3.633655	Sf	3.268703	K	.0892316	z	.0176710	m	.0923761
n	.1385641	gam	28.938463	b-al	20.783323	the	110.78334	phi	118.93848		
N	3.0000000	w1	.1600000	w2	.1200000	w3	.0800000	SF	.0893726	LFr	.8324576
PRA	1.0900000	PRB	.9738693	PRC	.9894800	L	.1829796	min	.1340083	max	.2436446
Si	3.864992	SAB	3.392093	Sf	3.268703	K	.0489713	z	.0525374	m	.0923761
n	.1385641	gam	28.938463	b-al	20.783323	the	110.78334	phi	118.93848	2-LEVEL THRUST	
N	3.0000000	w1	.1600000	w2	.1200000	w3	.0800000	SF	.0893726	LFr	.7832480
PRA	1.0944662	PRB	.9633072	PRC	1.0671817	L	.1507721	min	.1340083	max	.2436446
Si	3.478502	SAB	3.179599	Sf	3.268703	K	.0167638	z	.0804300	m	.0923761
n	.1385641	gam	28.938463	b-al	20.783323	the	110.78334	phi	118.93848	2-LEVEL THRUST	
N	3.0000000	w1	.1600000	w2	.1200000	w3	.0900000	SF	.0969229	LFr	.9198837
PRA	1.0900000	PRB	.9630797	PRC	.9478826	L	.2237396	min	.1357851	max	.2338744
Si	4.348117	SAB	3.708780	Sf	3.279499	K	.0879546	z	.0087770	m	.1039231
n	.1385641	gam	28.938463	b-al	22.773790	the	112.77381	phi	118.93848		
N	3.0000000	w1	.1600000	w2	.1200000	w3	.0900000	SF	.0969229	LFr	.8617544
PRA	1.1000514	PRB	.9596010	PRC	.9788028	L	.1875057	min	.1357851	max	.2338744
Si	3.913310	SAB	3.491577	Sf	3.279499	K	.0517207	z	.0401565	m	.1039231
n	.1385641	gam	28.938463	b-al	22.773790	the	112.77381	phi	118.93848	2-LEVEL THRUST	
N	3.0000000	w1	.1600000	w2	.1200000	w3	.0900000	SF	.0969229	LFr	.8141909
PRA	1.1050046	PRB	.9517614	PRC	1.0455137	L	.1578579	min	.1357851	max	.2338744
Si	3.557536	SAB	3.295716	Sf	3.279499	K	.0220728	z	.0658322	m	.1039231
n	.1385641	gam	28.938463	b-al	22.773790	the	112.77381	phi	118.93848	2-LEVEL THRUST	
N	3.0000000	w1	.1600000	w2	.1200000	w3	.1000000	SF	.1060467	LFr	.8918762
PRA	1.1099729	PRB	.9503638	PRC	.9661981	L	.1911736	min	.1371502	max	.2236925
Si	3.952842	SAB	3.586917	Sf	3.293649	K	.0540234	z	.0281622	m	.1154701
n	.1385641	gam	28.938463	b-al	24.793730	the	114.79375	phi	118.93848	2-LEVEL THRUST	
N	3.0000000	w1	.1600000	w2	.1200000	w3	.1000000	SF	.1060467	LFr	.8457403
PRA	1.1151977	PRB	.9445809	PRC	1.0240741	L	.1637230	min	.1371502	max	.2236925
Si	3.623435	SAB	3.404919	Sf	3.293649	K	.0265729	z	.0519351	m	.1154701
n	.1385641	gam	28.938463	b-al	24.793730	the	114.79375	phi	118.93848	2-LEVEL THRUST	
N	3.0000000	w1	.1600000	w2	.1200000	w3	.1000000	SF	.1060467	LFr	.8067026
PRA	1.1072851	PRB	.9371568	PRC	1.0958953	L	.1404953	min	.1371502	max	.2236925
Si	3.344703	SAB	3.206979	Sf	3.293649	K	.0033452	z	.0720509	m	.1154701
n	.1385641	gam	28.938463	b-al	24.793730	the	114.79375	phi	118.93848	2-LEVEL THRUST	

N	3.0000000	wl	.1600000	w2	.1300000	w3	.0200000	SF	.0824671	LFr	.7826376		
PRA	1.0200000	PRB	1.1322733	PRC	.9480168	L	.2232857	min	.1270463	max	.2944158		
Si	4.348115	SAB	3.164645	Sf	3.276480	K	.0962394	z	.0616005	m	.0230940		
n	.1501111	gam	31.072922	b-al	9.281672	the	99.281695	phi	121.07294				
N	3.0000000	wl	.1600000	w2	.1300000	w3	.0300000	SF	.0840950	LFr	.8015328		
PRA	1.0300000	PRB	1.1035854	PRC	.9477095	L	.2245751	min	.1310091	max	.2868316		
Si	4.348121	SAB	3.235038	Sf	3.278202	K	.0935660	z	.0539158	m	.0346410		
n	.1501111	gam	31.072922	b-al	11.159840	the	101.15986	phi	121.07294				
N	3.0000000	wl	.1600000	w2	.1300000	w3	.0300000	SF	.0840950	LFr	.6908093		
PRA	1.0375555	PRB	1.0838427	PRC	1.1270921	L	.1339893	min	.1310091	max	.2868316		
Si	3.261093	SAB	2.683552	Sf	3.278202	K	.0029802	z	.1323653	m	.0346410		
n	.1501111	gam	31.072922	b-al	11.159840	the	101.15986	phi	121.07294	2-LEVEL THRUST			
N	3.0000000	wl	.1600000	w2	.1300000	w3	.0400000	SF	.0862751	LFr	.8214474		
PRA	1.0400000	PRB	1.0766380	PRC	.9472495	L	.2257271	min	.1346331	max	.2789086		
Si	4.348116	SAB	3.306242	Sf	3.280700	K	.0910940	z	.0460565	m	.0461880		
n	.1501111	gam	31.072922	b-al	13.050236	the	103.05026	phi	121.07294				
N	3.0000000	wl	.1600000	w2	.1300000	w3	.0400000	SF	.0862751	LFr	.7273331		
PRA	1.0498682	PRB	1.0684793	PRC	1.0694752	L	.1532593	min	.1346331	max	.2789086		
Si	3.478502	SAB	2.870977	Sf	3.280700	K	.0186262	z	.1088155	m	.0461880		
n	.1501111	gam	31.072922	b-al	13.050236	the	103.05026	phi	121.07294	2-LEVEL THRUST			
N	3.0000000	wl	.1600000	w2	.1300000	w3	.0500000	SF	.0893955	LFr	.8426809		
PRA	1.0500000	PRB	1.0514846	PRC	.9465830	L	.2267456	min	.1379092	max	.2706377		
Si	4.348122	SAB	3.378260	Sf	3.284173	K	.0888364	z	.0380116	m	.0577350		
n	.1501111	gam	31.072922	b-al	14.955219	the	104.95524	phi	121.07294				
N	3.0000000	wl	.1600000	w2	.1300000	w3	.0500000	SF	.0893955	LFr	.7596378		
PRA	1.0600466	PRB	1.0460829	PRC	1.0409174	L	.1663551	min	.1379092	max	.2706377		
Si	3.623436	SAB	3.016086	Sf	3.284173	K	.0284459	z	.0903113	m	.0577350		
n	.1501111	gam	31.072922	b-al	14.955219	the	104.95524	phi	121.07294	2-LEVEL THRUST			
N	3.0000000	wl	.1600000	w2	.1300000	w3	.0600000	SF	.0933294	LFr	.8650150		
PRA	1.0600000	PRB	1.0282181	PRC	.9456341	L	.2276325	min	.1408349	max	.2620164		
Si	4.348107	SAB	3.451046	Sf	3.288892	K	.0867976	z	.0297773	m	.0692820		
n	.1501111	gam	31.072922	b-al	16.876944	the	106.87697	phi	121.07294				
N	3.0000000	wl	.1600000	w2	.1300000	w3	.0600000	SF	.0933294	LFr	.7898808		
PRA	1.0700000	PRB	1.0234325	PRC	1.0232849	L	.1758690	min	.1408349	max	.2620164		
Si	3.726945	SAB	3.140465	Sf	3.288892	K	.0350341	z	.0746058	m	.0692820		
n	.1501111	gam	31.072922	b-al	16.876944	the	106.87697	phi	121.07294	2-LEVEL THRUST			
N	3.0000000	wl	.1600000	w2	.1300000	w3	.0700000	SF	.0983477	LFr	.8886366		
PRA	1.0700000	PRB	1.0069773	PRC	.9442926	L	.2283878	min	.1433856	max	.2530201		
Si	4.348110	SAB	3.524639	Sf	3.295158	K	.0850022	z	.0213322	m	.0808291		
n	.1501111	gam	31.072922	b-al	18.818803	the	108.81882	phi	121.07294				
N	3.0000000	wl	.1600000	w2	.1300000	w3	.0700000	SF	.0983477	LFr	.8194351		
PRA	1.0800149	PRB	1.0021241	PRC	1.0108300	L	.1830959	min	.1433856	max	.2530201		
Si	3.804607	SAB	3.252944	Sf	3.295158	K	.0397103	z	.0605561	m	.0808291		
n	.1501111	gam	31.072922	b-al	18.818803	the	108.81882	phi	121.07294	2-LEVEL THRUST			
N	3.0000000	wl	.1600000	w2	.1300000	w3	.0700000	SF	.0983477	LFr	.7656098		
PRA	1.0788783	PRB	.9840516	PRC	1.1147376	L	.1478672	min	.1433856	max	.2530201		
Si	3.381862	SAB	3.003902	Sf	3.295158	K	.0044816	z	.0910651	m	.0808291		
n	.1501111	gam	31.072922	b-al	18.818803	the	108.81882	phi	121.07294	2-LEVEL THRUST			
N	3.0000000	wl	.1600000	w2	.1300000	w3	.0800000	SF	.1045876	LFr	.9135819		
PRA	1.0800000	PRB	.9879919	PRC	.9423831	L	.2290154	min	.1455572	max	.2436446		
Si	4.348118	SAB	3.599005	Sf	3.303404	K	.0834582	z	.0126693	m	.0923761		
n	.1501111	gam	31.072922	b-al	20.783323	the	110.78334	phi	121.07294				

N	3.0000000	wl	.1600000	w2	.1300000	w3	.0800000	SF	.1045876	LFr	.8489933		
PRA	1.0899907	PRB	.9830332	PRC	1.0008974	L	.1887550	min	.1455572	max	.2436446		
Si	3.864995	SAB	3.357407	Sf	3.303404	K	.0431979	z	.0475358	m	.0923761		
n	.1501111	gam	31.072922	b-al	20.783323	the	110.78334	phi	121.07294	2-LEVEL THRUST			
N	3.0000000	wl	.1600000	w2	.1300000	w3	.0800000	SF	.1045876	LFr	.7973204		
PRA	1.0912570	PRB	.9697626	PRC	1.0869982	L	.1565457	min	.1455572	max	.2436446		
Si	3.478482	SAB	3.133772	Sf	3.303404	K	.0109885	z	.0754299	m	.0923761		
n	.1501111	gam	31.072922	b-al	20.783323	the	110.78334	phi	121.07294	2-LEVEL THRUST			
N	3.0000000	wl	.1600000	w2	.1300000	w3	.0900000	SF	.1121369	LFr	.9398403		
PRA	1.0900000	PRB	.9716386	PRC	.9396191	L	.2295151	min	.1473340	max	.2338744		
Si	4.348120	SAB	3.674130	Sf	3.314200	K	.0821811	z	.0037753	m	.1039231		
n	.1501111	gam	31.072922	b-al	22.773790	the	112.77381	phi	121.07294				
N	3.0000000	wl	.1600000	w2	.1300000	w3	.0900000	SF	.1121369	LFr	.8789435		
PRA	1.0999174	PRB	.9666595	PRC	.9919294	L	.1932812	min	.1473340	max	.2338744		
Si	3.913313	SAB	3.456403	Sf	3.314200	K	.0459472	z	.0351548	m	.1039231		
n	.1501111	gam	31.072922	b-al	22.773790	the	112.77381	phi	121.07294	2-LEVEL THRUST			
N	3.0000000	wl	.1600000	w2	.1300000	w3	.0900000	SF	.1121369	LFr	.8291149		
PRA	1.1023050	PRB	.9566423	PRC	1.0654924	L	.1636334	min	.1473340	max	.2338744		
Si	3.557539	SAB	3.251462	Sf	3.314200	K	.0162994	z	.0608305	m	.1039231		
n	.1501111	gam	31.072922	b-al	22.773790	the	112.77381	phi	121.07294	2-LEVEL THRUST			
N	3.0000000	wl	.1600000	w2	.1300000	w3	.1000000	SF	.1212616	LFr	.9096804		
PRA	1.1097283	PRB	.9539607	PRC	.9824514	L	.1969490	min	.1486990	max	.2236925		
Si	3.952845	SAB	3.551301	Sf	3.328350	K	.0482500	z	.0231605	m	.1154701		
n	.1501111	gam	31.072922	b-al	24.793730	the	114.79375	phi	121.07294	2-LEVEL THRUST			
N	3.0000000	wl	.1600000	w2	.1300000	w3	.1000000	SF	.1212616	LFr	.8614473		
PRA	1.1126836	PRB	.9463332	PRC	1.0463953	L	.1694985	min	.1486990	max	.2236925		
Si	3.623438	SAB	3.361160	Sf	3.328350	K	.0207994	z	.0469334	m	.1154701		
n	.1501111	gam	31.072922	b-al	24.793730	the	114.79375	phi	121.07294	2-LEVEL THRUST			
N	3.0000000	wl	.1600000	w2	.1300000	w3	.1100000	SF	.1321659	LFr	.9414501		
PRA	1.1194395	PRB	.9462045	PRC	.9709331	L	.1999416	min	.1496333	max	.2130797		
Si	3.985774	SAB	3.643234	Sf	3.347044	K	.0503083	z	.0113779	m	.1270171		
n	.1501111	gam	31.072922	b-al	26.847105	the	116.84713	phi	121.07294	2-LEVEL THRUST			
N	3.0000000	wl	.1600000	w2	.1300000	w3	.1100000	SF	.1321659	LFr	.8946037		
PRA	1.1227187	PRB	.9406074	PRC	1.0268407	L	.1743908	min	.1496333	max	.2130797		
Si	3.679164	SAB	3.465373	Sf	3.347044	K	.0247575	z	.0335056	m	.1270171		
n	.1501111	gam	31.072922	b-al	26.847105	the	116.84713	phi	121.07294	2-LEVEL THRUST			
N	3.0000000	wl	.1600000	w2	.1300000	w3	.1100000	SF	.1321659	LFr	.8544541		
PRA	1.1133180	PRB	.9333491	PRC	1.0967816	L	.1524925	min	.1496333	max	.2130797		
Si	3.416384	SAB	3.269619	Sf	3.347044	K	.0028592	z	.0524701	m	.1270171		
n	.1501111	gam	31.072922	b-al	26.847105	the	116.84713	phi	121.07294	2-LEVEL THRUST			
N	3.0000000	wl	.1600000	w2	.1400000	w3	.0200000	SF	.1003590	LFr	.8012142		
PRA	1.0200000	PRB	1.1506380	PRC	.9394268	L	.2294483	min	.1391061	max	.2944158		
Si	4.348116	SAB	3.127671	Sf	3.327203	K	.0903423	z	.0562635	m	.0230940		
n	.1616581	gam	33.256142	b-al	9.281672	the	99.281695	phi	123.25617				
N	3.0000000	wl	.1600000	w2	.1400000	w3	.0300000	SF	.1019869	LFr	.8203764		
PRA	1.0300000	PRB	1.1210619	PRC	.9392631	L	.2307377	min	.1430689	max	.2868316		
Si	4.348122	SAB	3.198063	Sf	3.328926	K	.0876688	z	.0485787	m	.0346410		
n	.1616581	gam	33.256142	b-al	11.159840	the	101.15986	phi	123.25617				
N	3.0000000	wl	.1600000	w2	.1400000	w3	.0400000	SF	.1041670	LFr	.8405733		
PRA	1.0400000	PRB	1.0932047	PRC	.9390185	L	.2318897	min	.1466929	max	.2789086		
Si	4.348117	SAB	3.269268	Sf	3.331424	K	.0851969	z	.0407195	m	.0461880		
n	.1616581	gam	33.256142	b-al	13.050236	the	103.05026	phi	123.25617				

N	3.0000000	wl	.1600000	w2	.1400000	w3	.0400000	SF	.1041670	LFr	.7409229		
PRA	1.0491031	PRB	1.0779244	PRC	1.0915644	L	.1594219	min	.1466929	max	.2789086		
Si	3.478503	SAB	2.831341	Sf	3.331424	K	.0127291	z	.1034785	m	.0461880		
n	.1616581	gam	33.256142	b-al	13.050236	the	103.05026	phi	123.25617	2-LEVEL THRUST			
N	3.0000000	wl	.1600000	w2	.1400000	w3	.0500000	SF	.1072874	LFr	.8621035		
PRA	1.0500000	PRB	1.0670954	PRC	.9386648	L	.2329083	min	.1499690	max	.2706377		
Si	4.348123	SAB	3.341285	Sf	3.334896	K	.0829393	z	.0326746	m	.0577350		
n	.1616581	gam	33.256142	b-al	14.955219	the	104.95524	phi	123.25617				
N	3.0000000	wl	.1600000	w2	.1400000	w3	.0500000	SF	.1072874	LFr	.7744474		
PRA	1.0597517	PRB	1.0566465	PRC	1.0597949	L	.1725178	min	.1499690	max	.2706377		
Si	3.623437	SAB	2.978042	Sf	3.334896	K	.0225488	z	.0849743	m	.0577350		
n	.1616581	gam	33.256142	b-al	14.955219	the	104.95524	phi	123.25617	2-LEVEL THRUST			
N	3.0000000	wl	.1600000	w2	.1400000	w3	.0600000	SF	.1112213	LFr	.8847532		
PRA	1.0600000	PRB	1.0427916	PRC	.9381638	L	.2337952	min	.1528947	max	.2620164		
Si	4.348108	SAB	3.414071	Sf	3.339616	K	.0809005	z	.0244403	m	.0692820		
n	.1616581	gam	33.256142	b-al	16.876944	the	106.87697	phi	123.25617				
N	3.0000000	wl	.1600000	w2	.1400000	w3	.0600000	SF	.1112213	LFr	.8056641		
PRA	1.0698755	PRB	1.0339947	PRC	1.0408617	L	.1820316	min	.1528947	max	.2620164		
Si	3.726946	SAB	3.103024	Sf	3.339616	K	.0291370	z	.0692688	m	.0692820		
n	.1616581	gam	33.256142	b-al	16.876944	the	106.87697	phi	123.25617	2-LEVEL THRUST			
N	3.0000000	wl	.1600000	w2	.1400000	w3	.0700000	SF	.1162396	LFr	.9087095		
PRA	1.0700000	PRB	1.0202541	PRC	.9403024	L	.2345505	min	.1554454	max	.2530201		
Si	4.348111	SAB	3.487664	Sf	3.345882	K	.0791051	z	.0159952	m	.0808291		
n	.1616581	gam	33.256142	b-al	18.818803	the	108.81882	phi	123.25617	2-LEVEL THRUST			
N	3.0000000	wl	.1600000	w2	.1400000	w3	.0700000	SF	.1162396	LFr	.8360481		
PRA	1.0798069	PRB	1.0122355	PRC	1.0280731	L	.1892586	min	.1554454	max	.2530201		
Si	3.804608	SAB	3.215178	Sf	3.345882	K	.0338132	z	.0552191	m	.0808291		
n	.1616581	gam	33.256142	b-al	18.818803	the	108.81882	phi	123.25617	2-LEVEL THRUST			
N	3.0000000	wl	.1600000	w2	.1400000	w3	.0800000	SF	.1224794	LFr	.9340077		
PRA	1.0800000	PRB	1.0000737	PRC	.9415642	L	.2351780	min	.1576169	max	.2436446		
Si	4.348120	SAB	3.562030	Sf	3.354128	K	.0775611	z	.0073323	m	.0923761		
n	.1616581	gam	33.256142	b-al	20.783323	the	110.78334	phi	123.25617	2-LEVEL THRUST			
N	3.0000000	wl	.1600000	w2	.1400000	w3	.0800000	SF	.1224794	LFr	.8663435		
PRA	1.0896919	PRB	.9922933	PRC	1.0183476	L	.1949177	min	.1576169	max	.2436446		
Si	3.864996	SAB	3.319277	Sf	3.354128	K	.0373008	z	.0421988	m	.0923761		
n	.1616581	gam	33.256142	b-al	20.783323	the	110.78334	phi	123.25617	2-LEVEL THRUST			
N	3.0000000	wl	.1600000	w2	.1400000	w3	.0800000	SF	.1224794	LFr	.8122101		
PRA	1.0867450	PRB	.9757290	PRC	1.1156916	L	.1627083	min	.1576169	max	.2436446		
Si	3.478483	SAB	3.081103	Sf	3.354128	K	.0050914	z	.0700929	m	.0923761		
n	.1616581	gam	33.256142	b-al	20.783323	the	110.78334	phi	123.25617	2-LEVEL THRUST			
N	3.0000000	wl	.1600000	w2	.1400000	w3	.0900000	SF	.1300297	LFr	.8969727		
PRA	1.0994395	PRB	.9746804	PRC	1.0101759	L	.1994438	min	.1593937	max	.2338744		
Si	3.913314	SAB	3.417559	Sf	3.364924	K	.0400501	z	.0298178	m	.1039231		
n	.1616581	gam	33.256142	b-al	22.773790	the	112.77381	phi	123.25617	2-LEVEL THRUST			
N	3.0000000	wl	.1600000	w2	.1400000	w3	.0900000	SF	.1300297	LFr	.8448792		
PRA	1.0984946	PRB	.9621322	PRC	1.0926071	L	.1697960	min	.1593937	max	.2338744		
Si	3.557540	SAB	3.200932	Sf	3.364924	K	.0104023	z	.0554935	m	.1039231		
n	.1616581	gam	33.256142	b-al	22.773790	the	112.77381	phi	123.25617	2-LEVEL THRUST			
N	3.0000000	wl	.1600000	w2	.1400000	w3	.1000000	SF	.1391535	LFr	.9283543		
PRA	1.1091600	PRB	.9598231	PRC	1.0024064	L	.2031098	min	.1607588	max	.2236925		
Si	3.952823	SAB	3.512066	Sf	3.379074	K	.0423510	z	.0178252	m	.1154701		
n	.1616581	gam	33.256142	b-al	24.793730	the	114.79375	phi	123.25617	2-LEVEL THRUST			

N	3.0000000	w1	.1600000	w2	.1400000	w3	.1000000	SF	.1391535	LFr	.8780279
PRA	1.1092828	PRB	.9501774	PRC	1.0737931	L	.1756611	min	.1607588	max	.2236925
Si	3.623439	SAB	3.311863	Sf	3.379074	K	.0149023	z	.0415964	m	.1154701
n	.1616581	gam	33.256142	b-al	24.793730	the	114.79375	phi	123.25617	2-LEVEL THRUST	
N	3.0000000	w1	.1800000	w2	.0400000	w3	.0200000	SF	.0086842	LFr	.6925659
PRA	1.0200000	PRB	.9908070	PRC	1.2438037	L	.1929417	min	.0388845	max	.2741288
Si	4.348102	SAB	3.346697	Sf	3.147013	K	.1540572	z	.0703101	m	.0230940
n	.0461880	gam	13.967897	b-al	9.928032	the	99.928055	phi	103.96792		
N	3.0000000	w1	.1800000	w2	.0400000	w3	.0200000	SF	.0086842	LFr	.6372042
PRA	1.0300000	PRB	.9882662	PRC	1.2438037	L	.0721607	min	.0388845	max	.2741288
Si	2.898731	SAB	2.622012	Sf	3.147013	K	.0332762	z	.1749095	m	.0230940
n	.0461880	gam	13.967897	b-al	9.928032	the	99.928055	phi	103.96792		
N	3.0000000	w1	.1800000	w2	.0500000	w3	.0200000	SF	.0118551	LFr	.7089472
PRA	1.0200000	PRB	1.0036993	PRC	1.2042494	L	.1965714	min	.0473389	max	.2741288
Si	4.348096	SAB	3.324912	Sf	3.149139	K	.1492325	z	.0671667	m	.0230940
n	.0577350	gam	16.013382	b-al	9.928032	the	99.928055	phi	106.01341		
N	3.0000000	w1	.1800000	w2	.0500000	w3	.0200000	SF	.0118551	LFr	.6443586
PRA	1.0300000	PRB	1.0047823	PRC	1.2053377	L	.0757904	min	.0473389	max	.2741288
Si	2.898724	SAB	2.600226	Sf	3.149139	K	.0284515	z	.1717661	m	.0230940
n	.0577350	gam	16.013382	b-al	9.928032	the	99.928055	phi	106.01341	2-LEVEL THRUST	
N	3.0000000	w1	.1800000	w2	.0500000	w3	.0300000	SF	.0135384	LFr	.7275124
PRA	1.0300000	PRB	.9846575	PRC	1.1946553	L	.1978092	min	.0511737	max	.2664165
Si	4.348110	SAB	3.395621	Sf	3.150205	K	.1466355	z	.0594157	m	.0346410
n	.0577350	gam	16.013382	b-al	11.940427	the	101.94045	phi	106.01341		
N	3.0000000	w1	.1800000	w2	.0500000	w3	.0300000	SF	.0135384	LFr	.6721506
PRA	1.0400000	PRB	.9817337	PRC	1.1946553	L	.1072235	min	.0511737	max	.2664165
Si	3.261081	SAB	2.852107	Sf	3.150205	K	.0560498	z	.1378652	m	.0346410
n	.0577350	gam	16.013382	b-al	11.940427	the	101.94045	phi	106.01341		
N	3.0000000	w1	.1800000	w2	.0500000	w3	.0300000	SF	.0135384	LFr	.6389332
PRA	1.0462133	PRB	.9729481	PRC	1.286822	L	.0528717	min	.0511737	max	.2664165
Si	2.608859	SAB	2.516116	Sf	3.150205	K	.0016980	z	.1849353	m	.0346410
n	.0577350	gam	16.013382	b-al	11.940427	the	101:94045	phi	106.01341	2-LEVEL THRUST	
N	3.0000000	w1	.1800000	w2	.0600000	w3	.0200000	SF	.0159569	LFr	.7254791
PRA	1.0200000	PRB	1.0180106	PRC	1.1659626	L	.2004471	min	.0561747	max	.2741288
Si	4.348121	SAB	3.301683	Sf	3.152017	K	.1442724	z	.0638102	m	.0230940
n	.0692820	gam	18.079681	b-al	9.928032	the	99.928055	phi	108.07970		
N	3.0000000	w1	.1800000	w2	.0600000	w3	.0200000	SF	.0159569	LFr	.6516619
PRA	1.0300000	PRB	1.0220733	PRC	1.1967255	L	.0796642	min	.0561747	max	.2741288
Si	2.898726	SAB	2.576986	Sf	3.152017	K	.0234895	z	.1684112	m	.0230940
n	.0692820	gam	18.079681	b-al	9.928032	the	99.928055	phi	108.07970	2-LEVEL THRUST	
N	3.0000000	w1	.1800000	w2	.0600000	w3	.0300000	SF	.0176401	LFr	.7441425
PRA	1.0300000	PRB	.9964531	PRC	1.1599793	L	.2016831	min	.0600095	max	.2664165
Si	4.348112	SAB	3.372380	Sf	3.153083	K	.1416736	z	.0560609	m	.0346410
n	.0692820	gam	18.079681	b-al	11.940427	the	101.94045	phi	108.07970		
N	3.0000000	w1	.1800000	w2	.0600000	w3	.0300000	SF	.0176401	LFr	.6818600
PRA	1.0400000	PRB	.9957716	PRC	1.1599793	L	.1110973	min	.0600095	max	.2664165
Si	3.261083	SAB	2.828866	Sf	3.153083	K	.0510878	z	.1345104	m	.0346410
n	.0692820	gam	18.079681	b-al	11.940427	the	101.94045	phi	108.07970		
N	3.0000000	w1	.1800000	w2	.0600000	w3	.0400000	SF	.0199032	LFr	.7637472
PRA	1.0400000	PRB	.9790319	PRC	1.1497242	L	.2027760	min	.0634780	max	.2583380
Si	4.348126	SAB	3.443960	Sf	3.154619	K	.1392980	z	.0481182	m	.0461880
n	.0692820	gam	18.079681	b-al	13.967897	the	103.96792	phi	108.07970		

N	3.0000000	w1	.1800000	w2	.0600000	w3	.0400000	SF	.0199032	LFr	.7083845
PRA	1.0500000	PRB	.9760021	PRC	1.1497242	L	.1303063	min	.0634780	max	.2583380
Si	3.478489	SAB	3.009141	Sf	3.154619	K	.0668282	z	.1108788	m	.0461880
n	.0692820	gam	18.079681	b-al	13.967897	the	103.96792	phi	108.07970		
N	3.0000000	w1	.1800000	w2	.0600000	w3	.0400000	SF	.0199032	LFr	.6714754
PRA	1.0598620	PRB	.9713250	PRC	1.1945253	L	.0819931	min	.0634780	max	.2583380
Si	2.898732	SAB	2.718861	Sf	3.154619	K	.0185151	z	.1527192	m	.0461880
n	.0692820	gam	18.079681	b-al	13.967897	the	103.96792	phi	108.07970	2-LEVEL THRUST	
N	3.0000000	w1	.1800000	w2	.0700000	w3	.0200000	SF	.0211496	LFr	.7422161
PRA	1.0200000	PRB	1.0331745	PRC	1.1298903	L	.2045879	min	.0654181	max	.2741288
Si	4.348123	SAB	3.276840	Sf	3.155801	K	.1391699	z	.0602241	m	.0230940
n	.0808290	gam	20.170979	b-al	9.928032	the	99.928055	phi	110.17100		
N	3.0000000	w1	.1800000	w2	.0700000	w3	.0200000	SF	.0211496	LFr	.6591730
PRA	1.0300000	PRB	1.0382610	PRC	1.1909573	L	.0838070	min	.0654181	max	.2741288
Si	2.898752	SAB	2.552154	Sf	3.155801	K	.0183890	z	.1648235	m	.0230940
n	.0808290	gam	20.170979	b-al	9.928032	the	99.928055	phi	110.17100	2-LEVEL THRUST	
N	3.0000000	w1	.1800000	w2	.0700000	w3	.0300000	SF	.0228329	LFr	.7609949
PRA	1.0300000	PRB	1.0099299	PRC	1.1259088	L	.2058239	min	.0692528	max	.2664165
Si	4.348114	SAB	3.347537	Sf	3.156867	K	.1365711	z	.0524748	m	.0346410
n	.0808290	gam	20.170979	b-al	11.940427	the	101.94045	phi	110.17100		
N	3.0000000	w1	.1800000	w2	.0700000	w3	.0300000	SF	.0228329	LFr	.6917925
PRA	1.0400000	PRB	1.0118547	PRC	1.1259088	L	.1152382	min	.0692528	max	.2664165
Si	3.261085	SAB	2.804023	Sf	3.156867	K	.0459854	z	.1309243	m	.0346410
n	.0808290	gam	20.170979	b-al	11.940427	the	101.94045	phi	110.17100		
N	3.0000000	w1	.1800000	w2	.0700000	w3	.0400000	SF	.0250960	LFr	.7807331
PRA	1.0400000	PRB	.9897573	PRC	1.1194412	L	.2069149	min	.0727214	max	.2583380
Si	4.348105	SAB	3.419105	Sf	3.158403	K	.1341936	z	.0445338	m	.0461880
n	.0808290	gam	20.170979	b-al	13.967897	the	103.96792	phi	110.17100		
N	3.0000000	w1	.1800000	w2	.0700000	w3	.0400000	SF	.0250960	LFr	.7198353
PRA	1.0500000	PRB	.9882649	PRC	1.1194412	L	.1344471	min	.0727214	max	.2583380
Si	3.478492	SAB	2.984298	Sf	3.158403	K	.0617258	z	.1072927	m	.0461880
n	.0808290	gam	20.170979	b-al	13.967897	the	103.96792	phi	110.17100		
N	3.0000000	w1	.1800000	w2	.0700000	w3	.0400000	SF	.0250960	LFr	.6792364
PRA	1.0590843	PRB	.9812313	PRC	1.1958018	L	.0861340	min	.0727214	max	.2583380
Si	2.898734	SAB	2.691764	Sf	3.158403	K	.0134126	z	.1491331	m	.0461880
n	.0808290	gam	20.170979	b-al	13.967897	the	103.96792	phi	110.17100	2-LEVEL THRUST	
N	3.0000000	w1	.1800000	w2	.0700000	w3	.0500000	SF	.0283203	LFr	.8017111
PRA	1.0500000	PRB	.9738541	PRC	1.1087913	L	.2078648	min	.0758140	max	.2498837
Si	4.348111	SAB	3.491534	Sf	3.160529	K	.1320508	z	.0363895	m	.0577350
n	.0808290	gam	20.170979	b-al	16.013382	the	106.01341	phi	110.17100		
N	3.0000000	w1	.1800000	w2	.0700000	w3	.0500000	SF	.0283203	LFr	.7463493
PRA	1.0600000	PRB	.9708265	PRC	1.1087913	L	.1474743	min	.0758140	max	.2498837
Si	3.623425	SAB	3.129191	Sf	3.160529	K	.0716603	z	.0886892	m	.0577350
n	.0808290	gam	20.170979	b-al	16.013382	the	106.01341	phi	110.17100		
N	3.0000000	w1	.1800000	w2	.0700000	w3	.0500000	SF	.0283203	LFr	.7068043
PRA	1.0700389	PRB	.9672025	PRC	1.1383772	L	.1043377	min	.0758140	max	.2498837
Si	3.105786	SAB	2.870491	Sf	3.160529	K	.0285237	z	.1260465	m	.0577350
n	.0808290	gam	20.170979	b-al	16.013382	the	106.01341	phi	110.17100	2-LEVEL THRUST	
N	3.0000000	w1	.1800000	w2	.0800000	w3	.0200000	SF	.0275879	LFr	.7592077
PRA	1.0200000	PRB	1.0489591	PRC	1.0963357	L	.2090092	min	.0750784	max	.2741288
Si	4.348123	SAB	3.250313	Sf	3.160724	K	.1339308	z	.0563952	m	.0230940
n	.0923761	gam	22.290742	b-al	9.928032	the	99.928055	phi	112.29076		

N	3.0000000	wl	.1800000	w2	.0800000	w3	.0200000	SF	.0275879	LFr	.6669378	
PRA	1.0300000	PRB	1.0525721	PRC	1.1889550	L	.0882282	min	.0750784	max	.2741288	
Si	2.898752	SAB	2.525627	Sf	3.160724	K	.0131499	z	.1609946	m	.0230940	
n	.0923761	gam	22.290742	b-al	9.928032	the	99.928055	phi	112.29076	2-LEVEL THRUST		
N	3.0000000	wl	.1800000	w2	.0800000	w3	.0300000	SF	.0292711	LFr	.7781267	
PRA	1.0300000	PRB	1.0244134	PRC	1.0935817	L	.2102451	min	.0789131	max	.2664165	
Si	4.348114	SAB	3.321011	Sf	3.161790	K	.1313320	z	.0486459	m	.0346410	
n	.0923761	gam	22.290742	b-al	11.940427	the	101.94045	phi	112.29076			
N	3.0000000	wl	.1800000	w2	.0800000	w3	.0300000	SF	.0292711	LFr	.7020035	
PRA	1.0400000	PRB	1.0289297	PRC	1.1063532	L	.1196594	min	.0789131	max	.2664165	
Si	3.261086	SAB	2.777497	Sf	3.161790	K	.0407463	z	.1270954	m	.0346410	
n	.0923761	gam	22.290742	b-al	11.940427	the	101.94045	phi	112.29076	2-LEVEL THRUST		
N	3.0000000	wl	.1800000	w2	.0800000	w3	.0400000	SF	.0315342	LFr	.7980213	
PRA	1.0400000	PRB	1.0024011	PRC	1.0892523	L	.2113361	min	.0823816	max	.2583380	
Si	4.348106	SAB	3.392578	Sf	3.163325	K	.1289545	z	.0407048	m	.0461880	
n	.0923761	gam	22.290742	b-al	13.967897	the	103.96792	phi	112.29076			
N	3.0000000	wl	.1800000	w2	.0800000	w3	.0400000	SF	.0315342	LFr	.7315874	
PRA	1.0500000	PRB	1.0027541	PRC	1.0892523	L	.1388683	min	.0823816	max	.2583380	
Si	3.478492	SAB	2.957771	Sf	3.163325	K	.0564867	z	.1034638	m	.0461880	
n	.0923761	gam	22.290742	b-al	13.967897	the	103.96792	phi	112.29076			
N	3.0000000	wl	.1800000	w2	.0800000	w3	.0400000	SF	.0315342	LFr	.6872969	
PRA	1.0574765	PRB	.9918126	PRC	1.1987773	L	.0905552	min	.0823816	max	.2583380	
Si	2.898734	SAB	2.660576	Sf	3.163325	K	.0081736	z	.1453042	m	.0461880	
n	.0923761	gam	22.290742	b-al	13.967897	the	103.96792	phi	112.29076	2-LEVEL THRUST		
N	3.0000000	wl	.1800000	w2	.0800000	w3	.0500000	SF	.0347586	LFr	.8191729	
PRA	1.0500000	PRB	.9835381	PRC	1.0824927	L	.2122860	min	.0854743	max	.2498837	
Si	4.348111	SAB	3.465007	Sf	3.165452	K	.1268117	z	.0325606	m	.0577350	
n	.0923761	gam	22.290742	b-al	16.013382	the	106.01341	phi	112.29076			
N	3.0000000	wl	.1800000	w2	.0800000	w3	.0500000	SF	.0347586	LFr	.7591972	
PRA	1.0600000	PRB	.9816156	PRC	1.0824927	L	.1518955	min	.0854743	max	.2498837	
Si	3.623426	SAB	3.102664	Sf	3.165452	K	.0664212	z	.0848603	m	.0577350	
n	.0923761	gam	22.290742	b-al	16.013382	the	106.01341	phi	112.29076			
N	3.0000000	wl	.1800000	w2	.0800000	w3	.0500000	SF	.0347586	LFr	.7163572	
PRA	1.0697898	PRB	.9764245	PRC	1.1402263	L	.1087589	min	.0854743	max	.2498837	
Si	3.105787	SAB	2.843191	Sf	3.165452	K	.0232846	z	.1222176	m	.0577350	
n	.0923761	gam	22.290742	b-al	16.013382	the	106.01341	phi	112.29076	2-LEVEL THRUST		
N	3.0000000	wl	.1800000	w2	.0800000	w3	.0600000	SF	.0388336	LFr	.8413897	
PRA	1.0600000	PRB	.9690615	PRC	1.0716669	L	.2130985	min	.0881854	max	.2410478	
Si	4.348126	SAB	3.538269	Sf	3.168330	K	.1249131	z	.0242048	m	.0692820	
n	.0923761	gam	22.290742	b-al	18.079681	the	108.07970	phi	112.29076			
N	3.0000000	wl	.1800000	w2	.0800000	w3	.0600000	SF	.0388336	LFr	.7860270	
PRA	1.0700000	PRB	.9660845	PRC	1.0716669	L	.1613350	min	.0881854	max	.2410478	
Si	3.726964	SAB	3.227688	Sf	3.168330	K	.0731496	z	.0690333	m	.0692820	
n	.0923761	gam	22.290742	b-al	18.079681	the	108.07970	phi	112.29076			
N	3.0000000	wl	.1800000	w2	.0800000	w3	.0600000	SF	.0388336	LFr	.7445040	
PRA	1.0800547	PRB	.9625967	PRC	1.0990078	L	.1225109	min	.0881854	max	.2410478	
Si	3.261075	SAB	2.994920	Sf	3.168330	K	.0343255	z	.1026560	m	.0692820	
n	.0923761	gam	22.290742	b-al	18.079681	the	108.07970	phi	112.29076	2-LEVEL THRUST		
N	3.0000000	wl	.1800000	w2	.0800000	w3	.0600000	SF	.0388336	LFr	.7122097	
PRA	1.0800174	PRB	.9533979	PRC	1.1934058	L	.0923157	min	.0881854	max	.2410478	
Si	2.898732	SAB	2.784633	Sf	3.168330	K	.0041303	z	.1288058	m	.0692820	
n	.0923761	gam	22.290742	b-al	18.079681	the	108.07970	phi	112.29076	2-LEVEL THRUST		

N	3.0000000	wl	.1800000	w2	.0900000	w3	.0200000	SF	.0354481	LFr	.7765112
PRA	1.0200000	PRB	1.0652692	PRC	1.0653868	L	.2137299	min	.0851735	max	.2741288
Si	4.348117	SAB	3.221983	Sf	3.167086	K	.1285564	z	.0523070	m	.0230940
n	.1039231	gam	24.443137	b-al	9.928032	the	99.928055	phi	114.44316		
N	3.0000000	wl	.1800000	w2	.0900000	w3	.0200000	SF	.0354481	LFr	.6750145
PRA	1.0298430	PRB	1.0650057	PRC	1.1910141	L	.0929489	min	.0851735	max	.2741288
Si	2.898746	SAB	2.496842	Sf	3.167086	K	.0077755	z	.1569064	m	.0230940
n	.1039231	gam	24.443137	b-al	9.928032	the	99.928055	phi	114.44316	2-LEVEL THRUST	
N	3.0000000	wl	.1800000	w2	.0900000	w3	.0300000	SF	.0371313	LFr	.7955952
PRA	1.0300000	PRB	1.0396173	PRC	1.0634410	L	.2149677	min	.0890082	max	.2664165
Si	4.348131	SAB	3.292692	Sf	3.168153	K	.1259595	z	.0445560	m	.0346410
n	.1039231	gam	24.443137	b-al	11.940427	the	101.94045	phi	114.44316		
N	3.0000000	wl	.1800000	w2	.0900000	w3	.0300000	SF	.0371313	LFr	.7125511
PRA	1.0400000	PRB	1.0457786	PRC	1.1019587	L	.1243801	min	.0890082	max	.2664165
Si	3.261080	SAB	2.749167	Sf	3.168153	K	.0353719	z	.1230072	m	.0346410
n	.1039231	gam	24.443137	b-al	11.940427	the	101.94045	phi	114.44316	2-LEVEL THRUST	
N	3.0000000	wl	.1800000	w2	.0900000	w3	.0400000	SF	.0393944	LFr	.8156691
PRA	1.0400000	PRB	1.0161954	PRC	1.0604429	L	.2160587	min	.0924768	max	.2583380
Si	4.348123	SAB	3.364260	Sf	3.169688	K	.1235820	z	.0366150	m	.0461880
n	.1039231	gam	24.443137	b-al	13.967897	the	103.96792	phi	114.44316		
N	3.0000000	wl	.1800000	w2	.0900000	w3	.0400000	SF	.0393944	LFr	.7436972
PRA	1.0500000	PRB	1.0186309	PRC	1.0622209	L	.1435890	min	.0924768	max	.2583380
Si	3.478486	SAB	2.929442	Sf	3.169688	K	.0511123	z	.0993756	m	.0461880
n	.1039231	gam	24.443137	b-al	13.967897	the	103.96792	phi	114.44316	2-LEVEL THRUST	
N	3.0000000	wl	.1800000	w2	.0900000	w3	.0400000	SF	.0393944	LFr	.6957178
PRA	1.0548001	PRB	1.0014078	PRC	1.2060321	L	.0952778	min	.0924768	max	.2583380
Si	2.898751	SAB	2.624501	Sf	3.169688	K	.0028011	z	.1412143	m	.0461880
n	.1039231	gam	24.443137	b-al	13.967897	the	103.96792	phi	114.44316	2-LEVEL THRUST	
N	3.0000000	wl	.1800000	w2	.0900000	w3	.0500000	SF	.0426188	LFr	.8370161
PRA	1.0500000	PRB	.9953600	PRC	1.0559069	L	.2170086	min	.0955694	max	.2498837
Si	4.348128	SAB	3.436689	Sf	3.171814	K	.1214392	z	.0284707	m	.0577350
n	.1039231	gam	24.443137	b-al	16.013382	the	106.01341	phi	114.44316		
N	3.0000000	wl	.1800000	w2	.0900000	w3	.0500000	SF	.0426188	LFr	.7724266
PRA	1.0600000	PRB	.9948131	PRC	1.0559069	L	.1566181	min	.0955694	max	.2498837
Si	3.623443	SAB	3.074346	Sf	3.171814	K	.0610487	z	.0807704	m	.0577350
n	.1039231	gam	24.443137	b-al	16.013382	the	106.01341	phi	114.44316		
N	3.0000000	wl	.1800000	w2	.0900000	w3	.0500000	SF	.0426188	LFr	.7262917
PRA	1.0690363	PRB	.9867461	PRC	1.1428908	L	.1134815	min	.0955694	max	.2498837
Si	3.105804	SAB	2.812533	Sf	3.171814	K	.0179121	z	.1181278	m	.0577350
n	.1039231	gam	24.443137	b-al	16.013382	the	106.01341	phi	114.44316	2-LEVEL THRUST	
N	3.0000000	wl	.1800000	w2	.0900000	w3	.0600000	SF	.0466938	LFr	.8594465
PRA	1.0600000	PRB	.9777333	PRC	1.0490268	L	.2178192	min	.0982805	max	.2410478
Si	4.348120	SAB	3.509939	Sf	3.174692	K	.1195387	z	.0201166	m	.0692820
n	.1039231	gam	24.443137	b-al	18.079681	the	108.07970	phi	114.44316		
N	3.0000000	wl	.1800000	w2	.0900000	w3	.0600000	SF	.0466938	LFr	.8001299
PRA	1.0700000	PRB	.9755717	PRC	1.0490268	L	.1660557	min	.0982805	max	.2410478
Si	3.726958	SAB	3.199358	Sf	3.174692	K	.0677752	z	.0649451	m	.0692820
n	.1039231	gam	24.443137	b-al	18.079681	the	108.07970	phi	114.44316		
N	3.0000000	wl	.1800000	w2	.0900000	w3	.0600000	SF	.0466938	LFr	.7556429
PRA	1.0798596	PRB	.9706042	PRC	1.1027909	L	.1272335	min	.0982805	max	.2410478
Si	3.261092	SAB	2.965967	Sf	3.174692	K	.0289530	z	.0985661	m	.0692820
n	.1039231	gam	24.443137	b-al	18.079681	the	108.07970	phi	114.44316	2-LEVEL THRUST	

N	3.0000000	w1	.1800000	w2	.0900000	w3	.0700000	SF	.0518856	LFr	.8831320
PRA	1.0700000	PRB	.9645982	PRC	1.0382125	L	.2184906	min	.1005843	max	.2318045
Si	4.348127	SAB	3.584039	Sf	3.178476	K	.1179064	z	.0115302	m	.0808291
n	.1039231	gam	24.443137	b-al	20.170979	the	110.17100	phi	114.44316		
N	3.0000000	w1	.1800000	w2	.0900000	w3	.0700000	SF	.0518856	LFr	.8277683
PRA	1.0800000	PRB	.9616936	PRC	1.0382125	L	.1731968	min	.1005843	max	.2318045
Si	3.804601	SAB	3.312276	Sf	3.178476	K	.0726126	z	.0507558	m	.0808291
n	.1039231	gam	24.443137	b-al	20.170979	the	110.17100	phi	114.44316		
N	3.0000000	w1	.1800000	w2	.0900000	w3	.0700000	SF	.0518856	LFr	.7847080
PRA	1.0899542	PRB	.9580633	PRC	1.0699374	L	.1379681	min	.1005843	max	.2318045
Si	3.381856	SAB	3.100747	Sf	3.178476	K	.0373838	z	.0812648	m	.0808291
n	.1039231	gam	24.443137	b-al	20.170979	the	110.17100	phi	114.44316	2-LEVEL THRUST	
N	3.0000000	w1	.1800000	w2	.0900000	w3	.0700000	SF	.0518856	LFr	.7502623
PRA	1.0915058	PRB	.9499981	PRC	1.1513468	L	.1097870	min	.1005843	max	.2318045
Si	3.043683	SAB	2.905963	Sf	3.178476	K	.0092027	z	.1056703	m	.0808291
n	.1039231	gam	24.443137	b-al	20.170979	the	110.17100	phi	114.44316	2-LEVEL THRUST	
N	3.0000000	w1	.1800000	w2	.1000000	w3	.0200000	SF	.0449038	LFr	.7941904
PRA	1.0200000	PRB	1.0820729	PRC	1.0370691	L	.2187748	min	.0957258	max	.2741288
Si	4.348123	SAB	3.191719	Sf	3.175286	K	.1230491	z	.0479380	m	.0230940
n	.1154701	gam	26.632957	b-al	9.928032	the	99.928055	phi	116.63298		
N	3.0000000	w1	.1800000	w2	.1000000	w3	.0200000	SF	.0449038	LFr	.6834650
PRA	1.0287374	PRB	1.0749317	PRC	1.1991513	L	.0979920	min	.0957258	max	.2741288
Si	2.898729	SAB	2.463361	Sf	3.175286	K	.0022662	z	.1525390	m	.0230940
n	.1154701	gam	26.632957	b-al	9.928032	the	99.928055	phi	116.63298	2-LEVEL THRUST	
N	3.0000000	w1	.1800000	w2	.1000000	w3	.0300000	SF	.0465870	LFr	.8134594
PRA	1.0300000	PRB	1.0554198	PRC	1.0356789	L	.2200108	min	.0995605	max	.2664165
Si	4.348114	SAB	3.262417	Sf	3.176353	K	.1204502	z	.0401886	m	.0346410
n	.1154701	gam	26.632957	b-al	11.940427	the	101.94045	phi	116.63298		
N	3.0000000	w1	.1800000	w2	.1000000	w3	.0300000	SF	.0465870	LFr	.7234964
PRA	1.0400000	PRB	1.0615238	PRC	1.1005389	L	.1294251	min	.0995605	max	.2664165
Si	3.261086	SAB	2.718902	Sf	3.176353	K	.0298645	z	.1186381	m	.0346410
n	.1154701	gam	26.632957	b-al	11.940427	the	101.94045	phi	116.63298	2-LEVEL THRUST	
N	3.0000000	w1	.1800000	w2	.1000000	w3	.0400000	SF	.0488510	LFr	.8337383
PRA	1.0400000	PRB	1.0308119	PRC	1.0335654	L	.2211037	min	.1030290	max	.2583380
Si	4.348128	SAB	3.333996	Sf	3.177888	K	.1180746	z	.0322459	m	.0461880
n	.1154701	gam	26.632957	b-al	13.967897	the	103.96792	phi	116.63298		
N	3.0000000	w1	.1800000	w2	.1000000	w3	.0400000	SF	.0488510	LFr	.7562313
PRA	1.0500000	PRB	1.0347658	PRC	1.0593068	L	.1486340	min	.1030290	max	.2583380
Si	3.478492	SAB	2.899177	Sf	3.177888	K	.0456049	z	.0950065	m	.0461880
n	.1154701	gam	26.632957	b-al	13.967897	the	103.96792	phi	116.63298	2-LEVEL THRUST	
N	3.0000000	w1	.1800000	w2	.1000000	w3	.0500000	SF	.0520744	LFr	.8553076
PRA	1.0500000	PRB	1.0084682	PRC	1.0304347	L	.2220516	min	.1061217	max	.2498837
Si	4.348111	SAB	3.406413	Sf	3.180015	K	.1159299	z	.0241033	m	.0577350
n	.1154701	gam	26.632957	b-al	16.013382	the	106.01341	phi	116.63298		
N	3.0000000	w1	.1800000	w2	.1000000	w3	.0500000	SF	.0520744	LFr	.7861042
PRA	1.0600000	PRB	1.0095352	PRC	1.0347917	L	.1616612	min	.1061217	max	.2498837
Si	3.623425	SAB	3.044070	Sf	3.180015	K	.0555395	z	.0764030	m	.0577350
n	.1154701	gam	26.632957	b-al	16.013382	the	106.01341	phi	116.63298	2-LEVEL THRUST	
N	3.0000000	w1	.1800000	w2	.1000000	w3	.0500000	SF	.0520744	LFr	.7366734
PRA	1.0675848	PRB	.9968133	PRC	1.1484774	L	.1185246	min	.1061217	max	.2498837
Si	3.105786	SAB	2.777748	Sf	3.180015	K	.0124029	z	.1137604	m	.0577350
n	.1154701	gam	26.632957	b-al	16.013382	the	106.01341	phi	116.63298	2-LEVEL THRUST	

N	3.0000000	wl	.1800000	w2	.1000000	w3	.0600000	SF	.0561495	LFr	.8779783
PRA	1.0600000	PRB	.9887499	PRC	1.0258293	L	.2228642	min	.1088328	max	.2410478
Si	4.348126	SAB	3.479675	Sf	3.182893	K	.1140313	z	.0157475	m	.0692820
n	.1154701	gam	26.632957	b-al	18.079681	the	108.07970	phi	116.63298		
N	3.0000000	wl	.1800000	w2	.1000000	w3	.0600000	SF	.0561495	LFr	.8147068
PRA	1.0700000	PRB	.9876473	PRC	1.0258293	L	.1711006	min	.1088328	max	.2410478
Si	3.726964	SAB	3.169094	Sf	3.182893	K	.0622678	z	.0605761	m	.0692820
n	.1154701	gam	26.632957	b-al	18.079681	the	108.07970	phi	116.63298		
N	3.0000000	wl	.1800000	w2	.1000000	w3	.0600000	SF	.0561495	LFr	.7672520
PRA	1.0791967	PRB	.9800404	PRC	1.1071024	L	.1322765	min	.1088328	max	.2410478
Si	3.261075	SAB	2.933528	Sf	3.182893	K	.0234437	z	.0941987	m	.0692820
n	.1154701	gam	26.632957	b-al	18.079681	the	108.07970	phi	116.63298	2-LEVEL THRUST	
N	3.0000000	wl	.1800000	w2	.1000000	w3	.0700000	SF	.0613413	LFr	.9019232
PRA	1.0700000	PRB	.9722981	PRC	1.0189716	L	.2235336	min	.1111366	max	.2318045
Si	4.348109	SAB	3.553764	Sf	3.186677	K	.1123971	z	.0071628	m	.0808291
n	.1154701	gam	26.632957	b-al	20.170979	the	110.17100	phi	116.63298		
N	3.0000000	wl	.1800000	w2	.1000000	w3	.0700000	SF	.0613413	LFr	.8431025
PRA	1.0800000	PRB	.9700044	PRC	1.0189716	L	.1782417	min	.1111366	max	.2318045
Si	3.804606	SAB	3.282012	Sf	3.186677	K	.0671052	z	.0463868	m	.0808291
n	.1154701	gam	26.632957	b-al	20.170979	the	110.17100	phi	116.63298		
N	3.0000000	wl	.1800000	w2	.1000000	w3	.0700000	SF	.0613413	LFr	.7973509
PRA	1.0896193	PRB	.9646468	PRC	1.0762745	L	.1430130	min	.1111366	max	.2318045
Si	3.381862	SAB	3.069351	Sf	3.186677	K	.0318765	z	.0768957	m	.0808291
n	.1154701	gam	26.632957	b-al	20.170979	the	110.17100	phi	116.63298	2-LEVEL THRUST	
N	3.0000000	wl	.1800000	w2	.1000000	w3	.0700000	SF	.0613413	LFr	.7607517
PRA	1.0868777	PRB	.9535354	PRC	1.1678585	L	.1148319	min	.1111366	max	.2318045
Si	3.043689	SAB	2.861613	Sf	3.186677	K	.0036954	z	.1013013	m	.0808291
n	.1154701	gam	26.632957	b-al	20.170979	the	110.17100	phi	116.63298	2-LEVEL THRUST	
N	3.0000000	wl	.1800000	w2	.1000000	w3	.0800000	SF	.0677910	LFr	.8718300
PRA	1.0900000	PRB	.9576045	PRC	1.0083330	L	.1838074	min	.1130232	max	.2221442
Si	3.864982	SAB	3.387116	Sf	3.191599	K	.0707842	z	.0332006	m	.0923761
n	.1154701	gam	26.632957	b-al	22.290742	the	112.29076	phi	116.63298		
N	3.0000000	wl	.1800000	w2	.1000000	w3	.0800000	SF	.0677910	LFr	.8275414
PRA	1.0997394	PRB	.9535380	PRC	1.0482775	L	.1515999	min	.1130232	max	.2221442
Si	3.478492	SAB	3.192964	Sf	3.191599	K	.0385767	z	.0610931	m	.0923761
n	.1154701	gam	26.632957	b-al	22.290742	the	112.29076	phi	116.63298	2-LEVEL THRUST	
N	3.0000000	wl	.1800000	w2	.1000000	w3	.0800000	SF	.0677910	LFr	.7913056
PRA	1.1012131	PRB	.9463004	PRC	1.1212576	L	.1252480	min	.1130232	max	.2221442
Si	3.162269	SAB	3.007973	Sf	3.191599	K	.0122248	z	.0839146	m	.0923761
n	.1154701	gam	26.632957	b-al	22.290742	the	112.29076	phi	116.63298	2-LEVEL THRUST	
N	3.0000000	wl	.1800000	w2	.1100000	w3	.0200000	SF	.0561791	LFr	.8123236
PRA	1.0200000	PRB	1.0993708	PRC	1.0114116	L	.2241688	min	.1067612	max	.2741288
Si	4.348117	SAB	3.159349	Sf	3.185848	K	.1174076	z	.0432666	m	.0230940
n	.1270171	gam	28.865617	b-al	9.928032	the	99.928055	phi	118.86564		
N	3.0000000	wl	.1800000	w2	.1100000	w3	.0300000	SF	.0578623	LFr	.8318043
PRA	1.0300000	PRB	1.0717685	PRC	1.0104161	L	.2254047	min	.1105960	max	.2664165
Si	4.348108	SAB	3.230047	Sf	3.186914	K	.1148088	z	.0355173	m	.0346410
n	.1270171	gam	28.865617	b-al	11.940427	the	101.94045	phi	118.86564		
N	3.0000000	wl	.1800000	w2	.1100000	w3	.0300000	SF	.0578623	LFr	.7349215
PRA	1.0400000	PRB	1.0760143	PRC	1.1024535	L	.1348190	min	.1105960	max	.2664165
Si	3.261080	SAB	2.686532	Sf	3.186914	K	.0242230	z	.1139668	m	.0346410
n	.1270171	gam	28.865617	b-al	11.940427	the	101.94045	phi	118.86564	2-LEVEL THRUST	

N	3.0000000	wl	.1800000	w2	.1100000	w3	.0400000	SF	.0601254	LFr	.8523150
PRA	1.0400000	PRB	1.0460949	PRC	1.0089180	L	.2264977	min	.1140645	max	.2583380
Si	4.348122	SAB	3.301626	Sf	3.188450	K	.1124332	z	.0275746	m	.0461880
n	.1270171	gam	28.865617	b-al	13.967897	the	103.96792	phi	118.86564		

N	3.0000000	wl	.1800000	w2	.1100000	w3	.0400000	SF	.0601254	LFr	.7692709
PRA	1.0500000	PRB	1.0501768	PRC	1.0590552	L	.1540280	min	.1140645	max	.2583380
Si	3.478486	SAB	2.866808	Sf	3.188450	K	.0399634	z	.0903352	m	.0461880
n	.1270171	gam	28.865617	b-al	13.967897	the	103.96792	phi	118.86564	2-LEVEL THRUST	

N	3.0000000	wl	.1800000	w2	.1100000	w3	.0500000	SF	.0633497	LFr	.8741331
PRA	1.0500000	PRB	1.0224906	PRC	1.0067295	L	.2274475	min	.1171572	max	.2498837
Si	4.348128	SAB	3.374055	Sf	3.190576	K	.1102904	z	.0194303	m	.0577350
n	.1270171	gam	28.865617	b-al	16.013382	the	106.01341	phi	118.86564		

N	3.0000000	wl	.1800000	w2	.1100000	w3	.0500000	SF	.0633497	LFr	.8003149
PRA	1.0600000	PRB	1.0243430	PRC	1.0342176	L	.1670551	min	.1171572	max	.2498837
Si	3.623419	SAB	3.011700	Sf	3.190576	K	.0498980	z	.0717316	m	.0577350
n	.1270171	gam	28.865617	b-al	16.013382	the	106.01341	phi	118.86564	2-LEVEL THRUST	

N	3.0000000	wl	.1800000	w2	.1100000	w3	.0500000	SF	.0633497	LFr	.7475910
PRA	1.0650845	PRB	1.0061606	PRC	1.1583178	L	.1239205	min	.1171572	max	.2498837
Si	3.105803	SAB	2.737625	Sf	3.190576	K	.0067633	z	.1090874	m	.0577350
n	.1270171	gam	28.865617	b-al	16.013382	the	106.01341	phi	118.86564	2-LEVEL THRUST	

N	3.0000000	wl	.1800000	w2	.1100000	w3	.0600000	SF	.0674248	LFr	.8970709
PRA	1.0600000	PRB	1.0011791	PRC	1.0035737	L	.2282581	min	.1198683	max	.2410478
Si	4.348120	SAB	3.447305	Sf	3.193454	K	.1083899	z	.0110762	m	.0692820
n	.1270171	gam	28.865617	b-al	18.079681	the	108.07970	phi	118.86564		

N	3.0000000	wl	.1800000	w2	.1100000	w3	.0600000	SF	.0674248	LFr	.8298454
PRA	1.0700000	PRB	1.0011888	PRC	1.0168770	L	.1764946	min	.1198683	max	.2410478
Si	3.726957	SAB	3.136724	Sf	3.193454	K	.0566263	z	.0559047	m	.0692820
n	.1270171	gam	28.865617	b-al	18.079681	the	108.07970	phi	118.86564	2-LEVEL THRUST	

N	3.0000000	wl	.1800000	w2	.1100000	w3	.0600000	SF	.0674248	LFr	.7794266
PRA	1.0778140	PRB	.9898119	PRC	1.1138077	L	.1376724	min	.1198683	max	.2410478
Si	3.261091	SAB	2.896662	Sf	3.193454	K	.0178042	z	.0895257	m	.0692820
n	.1270171	gam	28.865617	b-al	18.079681	the	108.07970	phi	118.86564	2-LEVEL THRUST	

N	3.0000000	wl	.1800000	w2	.1100000	w3	.0700000	SF	.0726166	LFr	.9213047
PRA	1.0700000	PRB	.9825239	PRC	.9990209	L	.2289295	min	.1221720	max	.2318045
Si	4.348126	SAB	3.521405	Sf	3.197238	K	.1067575	z	.0024898	m	.0808291
n	.1270171	gam	28.865617	b-al	20.170979	the	110.17100	phi	118.86564		

N	3.0000000	wl	.1800000	w2	.1100000	w3	.0700000	SF	.0726166	LFr	.8590212
PRA	1.0800000	PRB	.9811315	PRC	1.0027950	L	.1836357	min	.1221720	max	.2318045
Si	3.804600	SAB	3.249642	Sf	3.197238	K	.0614637	z	.0417154	m	.0808291
n	.1270171	gam	28.865617	b-al	20.170979	the	110.17100	phi	118.86564	2-LEVEL THRUST	

N	3.0000000	wl	.1800000	w2	.1100000	w3	.0700000	SF	.0726166	LFr	.8105774
PRA	1.0888291	PRB	.9730045	PRC	1.0829300	L	.1484070	min	.1221720	max	.2318045
Si	3.381856	SAB	3.034308	Sf	3.197238	K	.0262350	z	.0722244	m	.0808291
n	.1270171	gam	28.865617	b-al	20.170979	the	110.17100	phi	118.86564	2-LEVEL THRUST	

N	3.0000000	wl	.1800000	w2	.1100000	w3	.0800000	SF	.0790663	LFr	.8884440
PRA	1.0900000	PRB	.9648215	PRC	.9923252	L	.1892033	min	.1240587	max	.2221442
Si	3.864999	SAB	3.354758	Sf	3.202160	K	.0651446	z	.0285277	m	.0923761
n	.1270171	gam	28.865617	b-al	22.290742	the	112.29076	phi	118.86564		

N	3.0000000	wl	.1800000	w2	.1100000	w3	.0800000	SF	.0790663	LFr	.8416920
PRA	1.0991583	PRB	.9587801	PRC	1.0573853	L	.1569939	min	.1240587	max	.2221442
Si	3.478486	SAB	3.158572	Sf	3.202160	K	.0329352	z	.0564218	m	.0923761
n	.1270171	gam	28.865617	b-al	22.290742	the	112.29076	phi	118.86564	2-LEVEL THRUST	

N	3.0000000	w1	.1800000	w2	.1100000	w3	.0800000	SF	.0790663	LFr	.8034430
PRA	1.0968233	PRB	.9488471	PRC	1.1394697	L	.1306420	min	.1240587	max	.2221442
Si	3.162263	SAB	2.961720	Sf	3.202160	K	.0065833	z	.0792433	m	.0923761
n	.1270171	gam	28.865617	b-al	22.290742	the	112.29076	phi	118.86564	2-LEVEL THRUST	

N	3.0000000	w1	.1800000	w2	.1100000	w3	.0900000	SF	.0868845	LFr	.9184418
PRA	1.1000000	PRB	.9537706	PRC	.9820180	L	.1936283	min	.1255109	max	.2120494
Si	3.913303	SAB	3.454634	Sf	3.208523	K	.0681175	z	.0159531	m	.1039231
n	.1270171	gam	28.865617	b-al	24.443137	the	114.44316	phi	118.86564		

N	3.0000000	w1	.1800000	w2	.1100000	w3	.0900000	SF	.0868845	LFr	.8731461
PRA	1.1092005	PRB	.9490775	PRC	1.0326100	L	.1639824	min	.1255109	max	.2120494
Si	3.557552	SAB	3.273913	Sf	3.208523	K	.0384716	z	.0416272	m	.1039231
n	.1270171	gam	28.865617	b-al	24.443137	the	114.44316	phi	118.86564	2-LEVEL THRUST	

N	3.0000000	w1	.1800000	w2	.1100000	w3	.0900000	SF	.0868845	LFr	.8353987
PRA	1.1099638	PRB	.9424950	PRC	1.0996495	L	.1392765	min	.1255109	max	.2120494
Si	3.261081	SAB	3.095792	Sf	3.208523	K	.0137657	z	.0630232	m	.1039231
n	.1270171	gam	28.865617	b-al	24.443137	the	114.44316	phi	118.86564	2-LEVEL THRUST	

N	3.0000000	w1	.1800000	w2	.1200000	w3	.0200000	SF	.0695057	LFr	.8310051
PRA	1.0200000	PRB	1.1171897	PRC	.9885045	L	.2299442	min	.1183104	max	.2741288
Si	4.348117	SAB	3.124697	Sf	3.199560	K	.1116339	z	.0382649	m	.0230940
n	.1385641	gam	31.147322	b-al	9.928032	the	99.928055	phi	121.14734		

N	3.0000000	w1	.1800000	w2	.1200000	w3	.0300000	SF	.0711889	LFr	.8507309
PRA	1.0300000	PRB	1.0886558	PRC	.9877966	L	.2311821	min	.1221451	max	.2664165
Si	4.348131	SAB	3.195406	Sf	3.200627	K	.1090370	z	.0305139	m	.0346410
n	.1385641	gam	31.147322	b-al	11.940427	the	101.94045	phi	121.14734		

N	3.0000000	w1	.1800000	w2	.1200000	w3	.0300000	SF	.0711889	LFr	.7469254
PRA	1.0400000	PRB	1.0885971	PRC	1.1086999	L	.1405945	min	.1221451	max	.2664165
Si	3.261080	SAB	2.651880	Sf	3.200627	K	.0184494	z	.1089651	m	.0346410
n	.1385641	gam	31.147322	b-al	11.940427	the	101.94045	phi	121.14734	2-LEVEL THRUST	

N	3.0000000	w1	.1800000	w2	.1200000	w3	.0400000	SF	.0734520	LFr	.8714981
PRA	1.0400000	PRB	1.0619804	PRC	.9867388	L	.2322731	min	.1256136	max	.2583380
Si	4.348122	SAB	3.266973	Sf	3.202162	K	.1066595	z	.0225729	m	.0461880
n	.1385641	gam	31.147322	b-al	13.967897	the	103.96792	phi	121.14734		

N	3.0000000	w1	.1800000	w2	.1200000	w3	.0400000	SF	.0734520	LFr	.7829180
PRA	1.0500000	PRB	1.0647402	PRC	1.0618976	L	.1598034	min	.1256136	max	.2583380
Si	3.478486	SAB	2.832155	Sf	3.202162	K	.0341898	z	.0853335	m	.0461880
n	.1385641	gam	31.147322	b-al	13.967897	the	103.96792	phi	121.14734	2-LEVEL THRUST	

N	3.0000000	w1	.1800000	w2	.1200000	w3	.0500000	SF	.0766764	LFr	.8935938
PRA	1.0500000	PRB	1.0372525	PRC	.9852087	L	.2332230	min	.1287063	max	.2498837
Si	4.348128	SAB	3.339402	Sf	3.204288	K	.1045167	z	.0144286	m	.0577350
n	.1385641	gam	31.147322	b-al	16.013382	the	106.01341	phi	121.14734		

N	3.0000000	w1	.1800000	w2	.1200000	w3	.0500000	SF	.0766764	LFr	.8151627
PRA	1.0600000	PRB	1.0388209	PRC	1.0361082	L	.1728306	min	.1287063	max	.2498837
Si	3.623420	SAB	2.977048	Sf	3.204288	K	.0441243	z	.0667300	m	.0577350
n	.1385641	gam	31.147322	b-al	16.013382	the	106.01341	phi	121.14734	2-LEVEL THRUST	

N	3.0000000	w1	.1800000	w2	.1200000	w3	.0500000	SF	.0766764	LFr	.7591429
PRA	1.0610525	PRB	1.0139776	PRC	1.1745682	L	.1296959	min	.1287063	max	.2498837
Si	3.105803	SAB	2.690450	Sf	3.204288	K	.0009896	z	.1040857	m	.0577350
n	.1385641	gam	31.147322	b-al	16.013382	the	106.01341	phi	121.14734	2-LEVEL THRUST	

N	3.0000000	w1	.1800000	w2	.1200000	w3	.0600000	SF	.0807514	LFr	.9168282
PRA	1.0600000	PRB	1.0146117	PRC	.9830356	L	.2340336	min	.1314174	max	.2410478
Si	4.348120	SAB	3.412653	Sf	3.207166	K	.1026162	z	.0060745	m	.0692820
n	.1385641	gam	31.147322	b-al	18.079681	the	108.07970	phi	121.14734		

N	3.0000000	w1	.1800000	w2	.1200000	w3	.0600000	SF	.0807514	LFr	.8456478
PRA	1.0700000	PRB	1.0147209	PRC	1.0188801	L	.1822701	min	.1314174	max	.2410478
Si	3.726958	SAB	3.102071	Sf	3.207166	K	.0508526	z	.0509030	m	.0692820
n	.1385641	gam	31.147322	b-al	18.079681	the	108.07970	phi	121.14734	2-LEVEL THRUST	

N	3.0000000	w1	.1800000	w2	.1200000	w3	.0600000	SF	.0807514	LFr	.7922640
PRA	1.0758372	PRB	.9987669	PRC	1.1245160	L	.1434479	min	.1314174	max	.2410478
Si	3.261092	SAB	2.855563	Sf	3.207166	K	.0120305	z	.0845240	m	.0692820
n	.1385641	gam	31.147322	b-al	18.079681	the	108.07970	phi	121.14734	2-LEVEL THRUST	

N	3.0000000	w1	.1800000	w2	.1200000	w3	.0700000	SF	.0859432	LFr	.8756342
PRA	1.0800000	PRB	.9931614	PRC	1.0056205	L	.1894112	min	.1337211	max	.2318045
Si	3.804601	SAB	3.214990	Sf	3.210950	K	.0556900	z	.0367137	m	.0808291
n	.1385641	gam	31.147322	b-al	20.170979	the	110.17100	phi	121.14734	2-LEVEL THRUST	

N	3.0000000	w1	.1800000	w2	.1200000	w3	.0700000	SF	.0859432	LFr	.8245001
PRA	1.0874251	PRB	.9817401	PRC	1.0920779	L	.1541824	min	.1337211	max	.2318045
Si	3.381856	SAB	2.994908	Sf	3.210950	K	.0204613	z	.0672227	m	.0808291
n	.1385641	gam	31.147322	b-al	20.170979	the	110.17100	phi	121.14734	2-LEVEL THRUST	

N	3.0000000	w1	.1800000	w2	.1200000	w3	.0800000	SF	.0923929	LFr	.9057798
PRA	1.0900000	PRB	.9746226	PRC	.9938263	L	.1949787	min	.1356078	max	.2221442
Si	3.864999	SAB	3.320105	Sf	3.215873	K	.0593710	z	.0235260	m	.0923761
n	.1385641	gam	31.147322	b-al	22.290742	the	112.29076	phi	121.14734	2-LEVEL THRUST	

N	3.0000000	w1	.1800000	w2	.1200000	w3	.0800000	SF	.0923929	LFr	.8565674
PRA	1.0980081	PRB	.9660450	PRC	1.0669848	L	.1627693	min	.1356078	max	.2221442
Si	3.478486	SAB	3.119919	Sf	3.215873	K	.0271616	z	.0514201	m	.0923761
n	.1385641	gam	31.147322	b-al	22.290742	the	112.29076	phi	121.14734	2-LEVEL THRUST	

N	3.0000000	w1	.1800000	w2	.1200000	w3	.0800000	SF	.0923929	LFr	.8163052
PRA	1.0905364	PRB	.9527896	PRC	1.1609910	L	.1364174	min	.1356078	max	.2221442
Si	3.162263	SAB	2.907187	Sf	3.215873	K	.0008096	z	.0742416	m	.0923761
n	.1385641	gam	31.147322	b-al	22.290742	the	112.29076	phi	121.14734	2-LEVEL THRUST	

N	3.0000000	w1	.1800000	w2	.1200000	w3	.0900000	SF	.1002112	LFr	.9364462
PRA	1.1000000	PRB	.9598558	PRC	.9815842	L	.1994038	min	.1370600	max	.2120494
Si	3.913303	SAB	3.419981	Sf	3.222235	K	.0623438	z	.0109514	m	.1039231
n	.1385641	gam	31.147322	b-al	24.443137	the	114.44316	phi	121.14734	2-LEVEL THRUST	

N	3.0000000	w1	.1800000	w2	.1200000	w3	.0900000	SF	.1002112	LFr	.8888855
PRA	1.1082318	PRB	.9531347	PRC	1.0447669	L	.1697579	min	.1370600	max	.2120494
Si	3.557552	SAB	3.235814	Sf	3.222235	K	.0326979	z	.0366255	m	.1039231
n	.1385641	gam	31.147322	b-al	24.443137	the	114.44316	phi	121.14734	2-LEVEL THRUST	

N	3.0000000	w1	.1800000	w2	.1200000	w3	.0900000	SF	.1002112	LFr	.8492508
PRA	1.1053877	PRB	.9436068	PRC	1.1209995	L	.1450520	min	.1370600	max	.2120494
Si	3.261081	SAB	3.046217	Sf	3.222235	K	.0079920	z	.0580215	m	.1039231
n	.1385641	gam	31.147322	b-al	24.443137	the	114.44316	phi	121.14734	2-LEVEL THRUST	

N	3.0000000	w1	.1800000	w2	.1200000	w3	.1000000	SF	.1096468	LFr	.9218893
PRA	1.1182015	PRB	.9450268	PRC	1.0219149	L	.1755123	min	.1380547	max	.2014971
Si	3.623417	SAB	3.345047	Sf	3.230436	K	.0374576	z	.0225035	m	.1154701
n	.1385641	gam	31.147322	b-al	26.632957	the	116.63298	phi	121.14734	2-LEVEL THRUST	

N	3.0000000	w1	.1800000	w2	.1200000	w3	.1000000	SF	.1096468	LFr	.8828545
PRA	1.1179369	PRB	.9386022	PRC	1.0850882	L	.1522865	min	.1380547	max	.2014971
Si	3.344708	SAB	3.171864	Sf	3.230436	K	.0142319	z	.0426176	m	.1154701
n	.1385641	gam	31.147322	b-al	26.632957	the	116.63298	phi	121.14734	2-LEVEL THRUST	

N	3.0000000	w1	.1800000	w2	.1300000	w3	.0200000	SF	.0851631	LFr	.8503304
PRA	1.0200000	PRB	1.1355767	PRC	.9685358	L	.2361374	min	.1304101	max	.2741288
Si	4.348116	SAB	3.087536	Sf	3.217576	K	.1057273	z	.0329015	m	.0230940
n	.1501111	gam	33.485349	b-al	9.928032	the	99.928055	phi	123.48537		

N	3.0000000	wl	.1800000	w2	.1300000	w3	.0300000	SF	.0868464	LFr	.8703289		
PRA	1.0300000	PRB	1.1061044	PRC	.9680423	L	.2373734	min	.1342449	max	.2664165		
Si	4.348107	SAB	3.158234	Sf	3.218643	K	.1031285	z	.0251522	m	.0346410		
n	.1501111	gam	33.485349	b-al	11.940427	the	101.94045	phi	123.48537				
N	3.0000000	wl	.1800000	w2	.1300000	w3	.0300000	SF	.0868464	LFr	.7596054		
PRA	1.0398004	PRB	1.0991117	PRC	1.1202478	L	.1467877	min	.1342449	max	.2664165		
Si	3.261078	SAB	2.614068	Sf	3.218643	K	.0125428	z	.1036017	m	.0346410		
n	.1501111	gam	33.485349	b-al	11.940427	the	101.94045	phi	123.48537	2-LEVEL THRUST			
N	3.0000000	wl	.1800000	w2	.1300000	w3	.0400000	SF	.0891094	LFr	.8913899		
PRA	1.0400000	PRB	1.0784515	PRC	.9673073	L	.2384663	min	.1377134	max	.2583380		
Si	4.348121	SAB	3.229813	Sf	3.220178	K	.1007529	z	.0172095	m	.0461880		
n	.1501111	gam	33.485349	b-al	13.967897	the	103.96792	phi	123.48537				
N	3.0000000	wl	.1800000	w2	.1300000	w3	.0400000	SF	.0891094	LFr	.7972727		
PRA	1.0500000	PRB	1.0780675	PRC	1.0686931	L	.1659966	min	.1377134	max	.2583380		
Si	3.478485	SAB	2.794995	Sf	3.220178	K	.0282832	z	.0799701	m	.0461880		
n	.1501111	gam	33.485349	b-al	13.967897	the	103.96792	phi	123.48537	2-LEVEL THRUST			
N	3.0000000	wl	.1800000	w2	.1300000	w3	.0500000	SF	.0923338	LFr	.9137955		
PRA	1.0500000	PRB	1.0526697	PRC	.9662538	L	.2394161	min	.1408060	max	.2498837		
Si	4.348127	SAB	3.302242	Sf	3.222305	K	.0986101	z	.0090652	m	.0577350		
n	.1501111	gam	33.485349	b-al	16.013382	the	106.01341	phi	123.48537				
N	3.0000000	wl	.1800000	w2	.1300000	w3	.0500000	SF	.0923338	LFr	.8307505		
PRA	1.0600000	PRB	1.0525222	PRC	1.0413690	L	.1790238	min	.1408060	max	.2498837		
Si	3.623418	SAB	2.939887	Sf	3.222305	K	.0382177	z	.0613665	m	.0577350		
n	.1501111	gam	33.485349	b-al	16.013382	the	106.01341	phi	123.48537	2-LEVEL THRUST			
N	3.0000000	wl	.1800000	w2	.1300000	w3	.0600000	SF	.0964089	LFr	.9373570		
PRA	1.0600000	PRB	1.0288496	PRC	.9647714	L	.2402268	min	.1435171	max	.2410478		
Si	4.348119	SAB	3.375492	Sf	3.225183	K	.0967096	z	.0007111	m	.0692820		
n	.1501111	gam	33.485349	b-al	18.079681	the	108.07970	phi	123.48537				
N	3.0000000	wl	.1800000	w2	.1300000	w3	.0600000	SF	.0964089	LFr	.8622227		
PRA	1.0700000	PRB	1.0278031	PRC	1.0238268	L	.1884632	min	.1435171	max	.2410478		
Si	3.726956	SAB	3.064911	Sf	3.225183	K	.0449461	z	.0455396	m	.0692820		
n	.1501111	gam	33.485349	b-al	18.079681	the	108.07970	phi	123.48537	2-LEVEL THRUST			
N	3.0000000	wl	.1800000	w2	.1300000	w3	.0600000	SF	.0964089	LFr	.8058729		
PRA	1.0725699	PRB	1.0069283	PRC	1.1407690	L	.1496411	min	.1435171	max	.2410478		
Si	3.261090	SAB	2.807747	Sf	3.225183	K	.0061239	z	.0791606	m	.0692820		
n	.1501111	gam	33.485349	b-al	18.079681	the	108.07970	phi	123.48537	2-LEVEL THRUST			
N	3.0000000	wl	.1800000	w2	.1300000	w3	.0700000	SF	.1016007	LFr	.8930521		
PRA	1.0800000	PRB	1.0051957	PRC	1.0108398	L	.1956043	min	.1458209	max	.2318045		
Si	3.804599	SAB	3.177830	Sf	3.228967	K	.0497835	z	.0313503	m	.0808291		
n	.1501111	gam	33.485349	b-al	20.170979	the	110.17100	phi	123.48537	2-LEVEL THRUST			
N	3.0000000	wl	.1800000	w2	.1300000	w3	.0700000	SF	.1016007	LFr	.8392286		
PRA	1.0852240	PRB	.9903355	PRC	1.1052395	L	.1603775	min	.1458209	max	.2318045		
Si	3.381877	SAB	2.950317	Sf	3.228967	K	.0145566	z	.0618576	m	.0808291		
n	.1501111	gam	33.485349	b-al	20.170979	the	110.17100	phi	123.48537	2-LEVEL THRUST			
N	3.0000000	wl	.1800000	w2	.1300000	w3	.0800000	SF	.1080504	LFr	.9239512		
PRA	1.0900000	PRB	.9851065	PRC	.9999501	L	.2011719	min	.1477075	max	.2221442		
Si	3.864997	SAB	3.282945	Sf	3.233889	K	.0534644	z	.0181625	m	.0923761		
n	.1501111	gam	33.485349	b-al	22.290742	the	112.29076	phi	123.48537	2-LEVEL THRUST			
N	3.0000000	wl	.1800000	w2	.1300000	w3	.0800000	SF	.1080504	LFr	.8722782		
PRA	1.0962618	PRB	.9738192	PRC	1.0793540	L	.1689625	min	.1477075	max	.2221442		
Si	3.478485	SAB	3.076684	Sf	3.233889	K	.0212550	z	.0460567	m	.0923761		
n	.1501111	gam	33.485349	b-al	22.290742	the	112.29076	phi	123.48537	2-LEVEL THRUST			

N	3.0000000	w1	.1800000	w2	.1300000	w3	.0900000	SF	.1158686	LFr	.9553185		
PRA	1.1000000	PRB	.9679209	PRC	.9896004	L	.2055969	min	.1491597	max	.2120494		
Si	3.913301	SAB	3.382821	Sf	3.240252	K	.0564372	z	.0055880	m	.1039231		
n	.1501111	gam	33.485349	b-al	24.443137	the	114.44316	phi	123.48537	2-LEVEL THRUST			
N	3.0000000	w1	.1800000	w2	.1300000	w3	.0900000	SF	.1158686	LFr	.9054928		
PRA	1.1066960	PRB	.9591738	PRC	1.0579292	L	.1759510	min	.1491597	max	.2120494		
Si	3.557550	SAB	3.193190	Sf	3.240252	K	.0267913	z	.0312621	m	.1039231		
n	.1501111	gam	33.485349	b-al	24.443137	the	114.44316	phi	123.48537	2-LEVEL THRUST			
N	3.0000000	w1	.1800000	w2	.1300000	w3	.0900000	SF	.1158686	LFr	.8639708		
PRA	1.0989124	PRB	.9470206	PRC	1.1451107	L	.1512451	min	.1491597	max	.2120494		
Si	3.261080	SAB	2.987940	Sf	3.240252	K	.0020854	z	.0526580	m	.1039231		
n	.1501111	gam	33.485349	b-al	24.443137	the	114.44316	phi	123.48537	2-LEVEL THRUST			
N	3.0000000	w1	.1800000	w2	.1400000	w3	.0200000	SF	.1034832	LFr	.8704319		
PRA	1.0200000	PRB	1.1545948	PRC	.9518837	L	.2427902	min	.1431022	max	.2741288		
Si	4.348114	SAB	3.047617	Sf	3.241744	K	.0996880	z	.0271400	m	.0230940		
n	.1616581	gam	35.888000	b-al	9.928032	the	99.928055	phi	125.88802				
N	3.0000000	w1	.1800000	w2	.1400000	w3	.0300000	SF	.1051665	LFr	.8907423		
PRA	1.0300000	PRB	1.1241580	PRC	.9515519	L	.2440262	min	.1469370	max	.2664165		
Si	4.348105	SAB	3.118315	Sf	3.242811	K	.0970892	z	.0193906	m	.0346410		
n	.1616581	gam	35.888000	b-al	11.940427	the	101.94045	phi	125.88802				
N	3.0000000	w1	.1800000	w2	.1400000	w3	.0300000	SF	.1051665	LFr	.7730980		
PRA	1.0387368	PRB	1.1079771	PRC	1.1385254	L	.1534405	min	.1469370	max	.2664165		
Si	3.261076	SAB	2.570680	Sf	3.242811	K	.0065035	z	.0978402	m	.0346410		
n	.1616581	gam	35.888000	b-al	11.940427	the	101.94045	phi	125.88802	2-LEVEL THRUST			
N	3.0000000	w1	.1800000	w2	.1400000	w3	.0400000	SF	.1074305	LFr	.9121294		
PRA	1.0400000	PRB	1.0955238	PRC	.9510591	L	.2451191	min	.1504055	max	.2583380		
Si	4.348119	SAB	3.189894	Sf	3.244346	K	.0947136	z	.0114479	m	.0461880		
n	.1616581	gam	35.888000	b-al	13.967897	the	103.96792	phi	125.88802				
N	3.0000000	w1	.1800000	w2	.1400000	w3	.0400000	SF	.1074305	LFr	.8124762		
PRA	1.0500155	PRB	1.0897574	PRC	1.0805764	L	.1726494	min	.1504055	max	.2583380		
Si	3.478482	SAB	2.755129	Sf	3.244346	K	.0222439	z	.0742086	m	.0461880		
n	.1616581	gam	35.888000	b-al	13.967897	the	103.96792	phi	125.88802	2-LEVEL THRUST			
N	3.0000000	w1	.1800000	w2	.1400000	w3	.0500000	SF	.1106539	LFr	.9348784		
PRA	1.0500000	PRB	1.0687194	PRC	.9503565	L	.2460690	min	.1534982	max	.2498837		
Si	4.348124	SAB	3.262322	Sf	3.246472	K	.0925708	z	.0033037	m	.0577350		
n	.1616581	gam	35.888000	b-al	16.013382	the	106.01341	phi	125.88802				
N	3.0000000	w1	.1800000	w2	.1400000	w3	.0500000	SF	.1106539	LFr	.8472214		
PRA	1.0600000	PRB	1.0651044	PRC	1.0510529	L	.1856785	min	.1534982	max	.2498837		
Si	3.623439	SAB	2.899980	Sf	3.246472	K	.0321803	z	.0556034	m	.0577350		
n	.1616581	gam	35.888000	b-al	16.013382	the	106.01341	phi	125.88802	2-LEVEL THRUST			
N	3.0000000	w1	.1800000	w2	.1400000	w3	.0600000	SF	.1147289	LFr	.8797140		
PRA	1.0700000	PRB	1.0402141	PRC	1.0326416	L	.1951161	min	.1562093	max	.2410478		
Si	3.726954	SAB	3.024992	Sf	3.249350	K	.0389068	z	.0397781	m	.0692820		
n	.1616581	gam	35.888000	b-al	18.079681	the	108.07970	phi	125.88802	2-LEVEL THRUST			
N	3.0000000	w1	.1800000	w2	.1400000	w3	.0600000	SF	.1147289	LFr	.8203983		
PRA	1.0673628	PRB	1.0134567	PRC	1.1655339	L	.1562939	min	.1562093	max	.2410478		
Si	3.261088	SAB	2.750847	Sf	3.249350	K	.0000846	z	.0733991	m	.0692820		
n	.1616581	gam	35.888000	b-al	18.079681	the	108.07970	phi	125.88802	2-LEVEL THRUST			
N	3.0000000	w1	.1800000	w2	.1400000	w3	.0700000	SF	.1199207	LFr	.9114199		
PRA	1.0800000	PRB	1.0168217	PRC	1.0195691	L	.2022572	min	.1585130	max	.2318045		
Si	3.804597	SAB	3.137910	Sf	3.253134	K	.0437442	z	.0255888	m	.0808291		
n	.1616581	gam	35.888000	b-al	20.170979	the	110.17100	phi	125.88802	2-LEVEL THRUST			

N	3.0000000	w1	.1800000	w2	.1400000	w3	.0700000	SF	.1199207	LFr	.8549071
PRA	1.0818999	PRB	.9979183	PRC	1.1244379	L	.1670303	min	.1585130	max	.2318045
Si	3.381875	SAB	2.899156	Sf	3.253134	K	.0085173	z	.0560961	m	.0808291
n	.1616581	gam	35.888000	b-al	20.170979	the	110.17100	phi	125.88802	2-LEVEL THRUST	

N	3.0000000	w1	.1800000	w2	.1400000	w3	.0800000	SF	.1263714	LFr	.9431105
PRA	1.0900000	PRB	.9955772	PRC	1.0090979	L	.2078247	min	.1603997	max	.2221442
Si	3.864995	SAB	3.243026	Sf	3.258057	K	.0474251	z	.0124010	m	.0923761
n	.1616581	gam	35.888000	b-al	22.290742	the	112.29076	phi	125.88802	2-LEVEL THRUST	

N	3.0000000	w1	.1800000	w2	.1400000	w3	.0800000	SF	.1263714	LFr	.8889761
PRA	1.0936725	PRB	.9814564	PRC	1.0963938	L	.1756153	min	.1603997	max	.2221442
Si	3.478483	SAB	3.027757	Sf	3.258057	K	.0152157	z	.0402952	m	.0923761
n	.1616581	gam	35.888000	b-al	22.290742	the	112.29076	phi	125.88802	2-LEVEL THRUST	

N	3.0000000	w1	.1800000	w2	.1500000	w3	.0200000	SF	.1248722	LFr	.8914642
PRA	1.0200000	PRB	1.1743328	PRC	.9393066	L	.2499600	min	.1564468	max	.2741288
Si	4.348103	SAB	3.004588	Sf	3.275290	K	.0935132	z	.0209308	m	.0230940
n	.1732051	gam	38.366264	b-al	9.928032	the	99.928055	phi	128.36628		

N	3.0000000	w1	.1800000	w2	.1500000	w3	.0300000	SF	.1265555	LFr	.9121237
PRA	1.0300000	PRB	1.1428867	PRC	.9390977	L	.2511978	min	.1602815	max	.2664165
Si	4.348117	SAB	3.075298	Sf	3.276357	K	.0909163	z	.0131798	m	.0346410
n	.1732051	gam	38.366264	b-al	11.940427	the	101.94045	phi	128.36628		

N	3.0000000	w1	.1800000	w2	.1500000	w3	.0300000	SF	.1265555	LFr	.7875595
PRA	1.0362706	PRB	1.1140088	PRC	1.1672591	L	.1606121	min	.1602815	max	.2664165
Si	3.261089	SAB	2.519621	Sf	3.276357	K	.0003306	z	.0916293	m	.0346410
n	.1732051	gam	38.366264	b-al	11.940427	the	101.94045	phi	128.36628	2-LEVEL THRUST	

N	3.0000000	w1	.1800000	w2	.1500000	w3	.0400000	SF	.1288195	LFr	.9338780
PRA	1.0400000	PRB	1.1132453	PRC	.9387890	L	.2522907	min	.1637500	max	.2583380
Si	4.348132	SAB	3.146877	Sf	3.277892	K	.0885407	z	.0052371	m	.0461880
n	.1732051	gam	38.366264	b-al	13.967897	the	103.96792	phi	128.36628		

N	3.0000000	w1	.1800000	w2	.1500000	w3	.0400000	SF	.1288195	LFr	.8286886
PRA	1.0496210	PRB	1.1000085	PRC	1.0992863	L	.1798210	min	.1637500	max	.2583380
Si	3.478495	SAB	2.710740	Sf	3.277892	K	.0160710	z	.0679977	m	.0461880
n	.1732051	gam	38.366264	b-al	13.967897	the	103.96792	phi	128.36628	2-LEVEL THRUST	

N	3.0000000	w1	.1800000	w2	.1500000	w3	.0500000	SF	.1320429	LFr	.8647394
PRA	1.0599984	PRB	1.0763632	PRC	1.0666344	L	.1928482	min	.1668427	max	.2498837
Si	3.623429	SAB	2.856945	Sf	3.280018	K	.0260055	z	.0493942	m	.0577350
n	.1732051	gam	38.366264	b-al	16.013382	the	106.01341	phi	128.36628	2-LEVEL THRUST	

N	3.0000000	w1	.1800000	w2	.1500000	w3	.0600000	SF	.1361180	LFr	.8982964
PRA	1.0700061	PRB	1.0515429	PRC	1.0469427	L	.2022877	min	.1695538	max	.2410478
Si	3.726967	SAB	2.981998	Sf	3.282896	K	.0327339	z	.0335673	m	.0692820
n	.1732051	gam	38.366264	b-al	18.079681	the	108.07970	phi	128.36628	2-LEVEL THRUST	

N	3.0000000	w1	.1800000	w2	.1500000	w3	.0700000	SF	.1413097	LFr	.9309197
PRA	1.0800054	PRB	1.0276791	PRC	1.0333593	L	.2094288	min	.1718575	max	.2318045
Si	3.804610	SAB	3.094914	Sf	3.286680	K	.0375713	z	.0193780	m	.0808291
n	.1732051	gam	38.366264	b-al	20.170979	the	110.17100	phi	128.36628	2-LEVEL THRUST	

N	3.0000000	w1	.1800000	w2	.1500000	w3	.0700000	SF	.1413097	LFr	.8717117
PRA	1.0768877	PRB	1.0042541	PRC	1.1527140	L	.1742001	min	.1718575	max	.2318045
Si	3.381865	SAB	2.839176	Sf	3.286680	K	.0023425	z	.0498869	m	.0808291
n	.1732051	gam	38.366264	b-al	20.170979	the	110.17100	phi	128.36628	2-LEVEL THRUST	

N	3.0000000	w1	.1800000	w2	.1600000	w3	.0200000	SF	.1498490	LFr	.9136114
PRA	1.0200000	PRB	1.1948905	PRC	.9406390	L	.2577133	min	.1705081	max	.2741288
Si	4.348124	SAB	2.958089	Sf	3.324775	K	.0872053	z	.0142162	m	.0230940
n	.1847521	gam	40.932521	b-al	9.928032	the	99.928055	phi	130.93254	2-LEVEL THRUST	

N	3.0000000	w1	.1800000	w2	.1600000	w3	.0300000	SF	.1515322	LFr	.9346638		
PRA	1.0300000	PRB	1.1622854	PRC	.9447570	L	.2589493	min	.1743428	max	.2664165		
Si	4.348115	SAB	3.028787	Sf	3.325842	K	.0846065	z	.0064668	m	.0346410		
n	.1847521	gam	40.932521	b-al	11.940427	the	101.94045	phi	130.93254	2-LEVEL THRUST			
N	3.0000000	w1	.1800000	w2	.1600000	w3	.0400000	SF	.1537962	LFr	.8461037		
PRA	1.0484306	PRB	1.1084754	PRC	1.1284441	L	.1875725	min	.1778113	max	.2583380		
Si	3.478493	SAB	2.660088	Sf	3.327377	K	.0097612	z	.0612848	m	.0461880		
n	.1847521	gam	40.932521	b-al	13.967897	the	103.96792	phi	130.93254	2-LEVEL THRUST			
N	3.0000000	w1	.1800000	w2	.1600000	w3	.0500000	SF	.1570196	LFr	.8835039		
PRA	1.0594649	PRB	1.0865093	PRC	1.0911174	L	.2005997	min	.1809040	max	.2498837		
Si	3.623427	SAB	2.808501	Sf	3.329503	K	.0196957	z	.0426812	m	.0577350		
n	.1847521	gam	40.932521	b-al	16.013382	the	106.01341	phi	130.93254	2-LEVEL THRUST			
N	3.0000000	w1	.1800000	w2	.1600000	w3	.0600000	SF	.1610947	LFr	.9181662		
PRA	1.0696438	PRB	1.0620237	PRC	1.0694002	L	.2100391	min	.1836151	max	.2410478		
Si	3.726965	SAB	2.934136	Sf	3.332381	K	.0264240	z	.0268543	m	.0692820		
n	.1847521	gam	40.932521	b-al	18.079681	the	108.07970	phi	130.93254	2-LEVEL THRUST			
N	3.0000000	w1	.2000000	w2	.0400000	w3	.0200000	SF	.0091496	LFr	.7473231		
PRA	1.0200000	PRB	.9906271	PRC	1.308125	L	.2036533	min	.0392120	max	.2537979		
Si	4.348114	SAB	3.282439	Sf	3.144195	K	.1644414	z	.0434265	m	.0230940		
n	.0461880	gam	15.026039	b-al	10.671771	the	100.67179	phi	105.02606				
N	3.0000000	w1	.2000000	w2	.0400000	w3	.0200000	SF	.0091496	LFr	.6919613		
PRA	1.0300000	PRB	.9879714	PRC	1.308125	L	.0828724	min	.0392120	max	.2537979		
Si	2.898743	SAB	2.557754	Sf	3.144195	K	.0436604	z	.1480259	m	.0230940		
n	.0461880	gam	15.026039	b-al	10.671771	the	100.67179	phi	105.02606				
N	3.0000000	w1	.2000000	w2	.0500000	w3	.0200000	SF	.0124970	LFr	.7646256		
PRA	1.0200000	PRB	1.0037731	PRC	1.264093	L	.2074204	min	.0478803	max	.2537979		
Si	4.348126	SAB	3.259849	Sf	3.145207	K	.1595401	z	.0401641	m	.0230940		
n	.0577350	gam	17.235267	b-al	10.671771	the	100.67179	phi	107.23529				
N	3.0000000	w1	.2000000	w2	.0500000	w3	.0200000	SF	.0124970	LFr	.7000351		
PRA	1.0300000	PRB	1.0048517	PRC	1.264093	L	.0866375	min	.0478803	max	.2537979		
Si	2.898732	SAB	2.535152	Sf	3.145207	K	.0387572	z	.1447652	m	.0230940		
n	.0577350	gam	17.235267	b-al	10.671771	the	100.67179	phi	107.23529				
N	3.0000000	w1	.2000000	w2	.0500000	w3	.0300000	SF	.0142708	LFr	.7841082		
PRA	1.0300000	PRB	.9843593	PRC	1.253359	L	.2085972	min	.0515671	max	.2459377		
Si	4.348120	SAB	3.330904	Sf	3.145717	K	.1570301	z	.0323378	m	.0346410		
n	.0577350	gam	17.235267	b-al	12.839472	the	102.83949	phi	107.23529				
N	3.0000000	w1	.2000000	w2	.0500000	w3	.0300000	SF	.0142708	LFr	.7287464		
PRA	1.0400000	PRB	.9813095	PRC	1.253359	L	.1180115	min	.0515671	max	.2459377		
Si	3.261091	SAB	2.787389	Sf	3.145717	K	.0664444	z	.1107873	m	.0346410		
n	.0577350	gam	17.235267	b-al	12.839472	the	102.83949	phi	107.23529				
N	3.0000000	w1	.2000000	w2	.0500000	w3	.0300000	SF	.0142708	LFr	.6955290		
PRA	1.0497052	PRB	.9759413	PRC	1.309999	L	.0636597	min	.0515671	max	.2459377		
Si	2.608869	SAB	2.460509	Sf	3.145717	K	.0120926	z	.1578574	m	.0346410		
n	.0577350	gam	17.235267	b-al	12.839472	the	102.83949	phi	107.23529	2-LEVEL THRUST			
N	3.0000000	w1	.2000000	w2	.0600000	w3	.0200000	SF	.0168400	LFr	.7821083		
PRA	1.0200000	PRB	1.0183783	PRC	1.2215016	L	.2114563	min	.0569677	max	.2537979		
Si	4.348105	SAB	3.235612	Sf	3.146578	K	.1544887	z	.0366689	m	.0230940		
n	.0692820	gam	19.470873	b-al	10.671771	the	100.67179	phi	109.47089				
N	3.0000000	w1	.2000000	w2	.0600000	w3	.0200000	SF	.0168400	LFr	.7082920		
PRA	1.0300000	PRB	1.0236399	PRC	1.2242139	L	.0906754	min	.0569677	max	.2537979		
Si	2.898734	SAB	2.510927	Sf	3.146578	K	.0337077	z	.1412683	m	.0230940		
n	.0692820	gam	19.470873	b-al	10.671771	the	100.67179	phi	109.47089	2-LEVEL THRUST			

N	3.0000000	wl	.2000000	w2	.0600000	w3	.0300000	SF	.0186138	LFr	.8017092		
PRA	1.0300000	PRB	.9963826	PRC	1.2147733	L	.2126350	min	.0606544	max	.2459377		
Si	4.348121	SAB	3.306678	Sf	3.147088	K	.1519806	z	.0288409	m	.0346410		
n	.0692820	gam	19.470873	b-al	12.839472	the	102.83949	phi	109.47089				
N	3.0000000	wl	.2000000	w2	.0600000	w3	.0300000	SF	.0186138	LFr	.7394276		
PRA	1.0400000	PRB	.9956711	PRC	1.2147733	L	.1220493	min	.0606544	max	.2459377		
Si	3.261093	SAB	2.763164	Sf	3.147088	K	.0613949	z	.1072905	m	.0346410		
n	.0692820	gam	19.470873	b-al	12.839472	the	102.83949	phi	109.47089				
N	3.0000000	wl	.2000000	w2	.0600000	w3	.0300000	SF	.0186138	LFr	.7020578		
PRA	1.0485997	PRB	.9874486	PRC	1.309728	L	.0676975	min	.0606544	max	.2459377		
Si	2.608871	SAB	2.433400	Sf	3.147088	K	.0070431	z	.1543605	m	.0346410		
n	.0692820	gam	19.470873	b-al	12.839472	the	102.83949	phi	109.47089	2-LEVEL THRUST			
N	3.0000000	wl	.2000000	w2	.0600000	w3	.0400000	SF	.0210161	LFr	.8222847		
PRA	1.0400000	PRB	.9786266	PRC	1.2032918	L	.2136574	min	.0639436	max	.2376798		
Si	4.348113	SAB	3.378658	Sf	3.147821	K	.1497138	z	.0208040	m	.0461880		
n	.0692820	gam	19.470873	b-al	15.026038	the	105.02606	phi	109.47089				
N	3.0000000	wl	.2000000	w2	.0600000	w3	.0400000	SF	.0210161	LFr	.7669239		
PRA	1.0500000	PRB	.9754698	PRC	1.2032918	L	.1411896	min	.0639436	max	.2376798		
Si	3.478499	SAB	2.943851	Sf	3.147821	K	.0772460	z	.0835630	m	.0461880		
n	.0692820	gam	19.470873	b-al	15.026038	the	105.02606	phi	109.47089				
N	3.0000000	wl	.2000000	w2	.0600000	w3	.0400000	SF	.0210161	LFr	.7300148		
PRA	1.0600000	PRB	.9726044	PRC	1.2194878	L	.0928764	min	.0639436	max	.2376798		
Si	2.898742	SAB	2.653972	Sf	3.147821	K	.0289329	z	.1254034	m	.0461880		
n	.0692820	gam	19.470873	b-al	15.026038	the	105.02606	phi	109.47089	2-LEVEL THRUST			
N	3.0000000	wl	.2000000	w2	.0700000	w3	.0200000	SF	.0223417	LFr	.7998371		
PRA	1.0200000	PRB	1.0338696	PRC	1.1813513	L	.2157917	min	.0665024	max	.2537979		
Si	4.348098	SAB	3.209592	Sf	3.148362	K	.1492893	z	.0329143	m	.0230940		
n	.0808290	gam	21.738146	b-al	10.671771	the	100.67179	phi	111.73817				
N	3.0000000	wl	.2000000	w2	.0700000	w3	.0200000	SF	.0223417	LFr	.7167950		
PRA	1.0300000	PRB	1.0426831	PRC	1.2151287	L	.0950108	min	.0665024	max	.2537979		
Si	2.898727	SAB	2.484907	Sf	3.148362	K	.0285083	z	.1375137	m	.0230940		
n	.0808290	gam	21.738146	b-al	10.671771	the	100.67179	phi	111.73817	2-LEVEL THRUST			
N	3.0000000	wl	.2000000	w2	.0700000	w3	.0300000	SF	.0241156	LFr	.8195782		
PRA	1.0300000	PRB	1.0101324	PRC	1.1768410	L	.2169705	min	.0701892	max	.2459377		
Si	4.348114	SAB	3.280658	Sf	3.148872	K	.1467813	z	.0250864	m	.0346410		
n	.0808290	gam	21.738146	b-al	12.839472	the	102.83949	phi	111.73817				
N	3.0000000	wl	.2000000	w2	.0700000	w3	.0300000	SF	.0241156	LFr	.7503758		
PRA	1.0400000	PRB	1.0121443	PRC	1.1768410	L	.1263847	min	.0701892	max	.2459377		
Si	3.261086	SAB	2.737144	Sf	3.148872	K	.0561956	z	.1035359	m	.0346410		
n	.0808290	gam	21.738146	b-al	12.839472	the	102.83949	phi	111.73817				
N	3.0000000	wl	.2000000	w2	.0700000	w3	.0300000	SF	.0241156	LFr	.7088547		
PRA	1.0463183	PRB	.9987033	PRC	1.312953	L	.0720329	min	.0701892	max	.2459377		
Si	2.608864	SAB	2.401428	Sf	3.148872	K	.0018437	z	.1506059	m	.0346410		
n	.0808290	gam	21.738146	b-al	12.839472	the	102.83949	phi	111.73817	2-LEVEL THRUST			
N	3.0000000	wl	.2000000	w2	.0700000	w3	.0400000	SF	.0265179	LFr	.8403139		
PRA	1.0400000	PRB	.9895543	PRC	1.1695448	L	.2179947	min	.0734783	max	.2376798		
Si	4.348128	SAB	3.352650	Sf	3.149605	K	.1445164	z	.0170478	m	.0461880		
n	.0808290	gam	21.738146	b-al	15.026038	the	105.02606	phi	111.73817				
N	3.0000000	wl	.2000000	w2	.0700000	w3	.0400000	SF	.0265179	LFr	.7794142		
PRA	1.0500000	PRB	.9879976	PRC	1.1695448	L	.1455250	min	.0734783	max	.2376798		
Si	3.478492	SAB	2.917832	Sf	3.149605	K	.0720467	z	.0798084	m	.0461880		
n	.0808290	gam	21.738146	b-al	15.026038	the	105.02606	phi	111.73817				

N	3.0000000	w1	.2000000	w2	.0700000	w3	.0400000	SF	.0265179	LFr	.7388153		
PRA	1.0600000	PRB	.9844914	PRC	1.2173814	L	.0972118	min	.0734783	max	.2376798		
Si	2.898734	SAB	2.627953	Sf	3.149605	K	.0237335	z	.1216488	m	.0461880		
n	.0808290	gam	21.738146	b-al	15.026038	the	105.02606	phi	111.73817	2-LEVEL THRUST			
N	3.0000000	w1	.2000000	w2	.0700000	w3	.0500000	SF	.0299139	LFr	.8623104		
PRA	1.0500000	PRB	.9733504	PRC	1.1575964	L	.2188645	min	.0763570	max	.2290114		
Si	4.348111	SAB	3.425536	Sf	3.150618	K	.1425075	z	.0087875	m	.0577350		
n	.0808290	gam	21.738146	b-al	17.235267	the	107.23529	phi	111.73817				
N	3.0000000	w1	.2000000	w2	.0700000	w3	.0500000	SF	.0299139	LFr	.8069487		
PRA	1.0600000	PRB	.9701980	PRC	1.1575964	L	.1584740	min	.0763570	max	.2290114		
Si	3.623426	SAB	3.063194	Sf	3.150618	K	.0821170	z	.0610872	m	.0577350		
n	.0808290	gam	21.738146	b-al	17.235267	the	107.23529	phi	111.73817				
N	3.0000000	w1	.2000000	w2	.0700000	w3	.0500000	SF	.0299139	LFr	.7674036		
PRA	1.0700000	PRB	.9675101	PRC	1.1611927	L	.1153374	min	.0763570	max	.2290114		
Si	3.105786	SAB	2.804374	Sf	3.150618	K	.0389804	z	.0984446	m	.0577350		
n	.0808290	gam	21.738146	b-al	17.235267	the	107.23529	phi	111.73817	2-LEVEL THRUST			
N	3.0000000	w1	.2000000	w2	.0700000	w3	.0500000	SF	.0299139	LFr	.7377472		
PRA	1.0742422	PRB	.9585206	PRC	1.266835	L	.0829868	min	.0763570	max	.2290114		
Si	2.717580	SAB	2.594624	Sf	3.150618	K	.0066299	z	.1264610	m	.0577350		
n	.0808290	gam	21.738146	b-al	17.235267	the	107.23529	phi	111.73817	2-LEVEL THRUST			
N	3.0000000	w1	.2000000	w2	.0800000	w3	.0200000	SF	.0291720	LFr	.8178749		
PRA	1.0200000	PRB	1.0500152	PRC	1.1439282	L	.2204456	min	.0764995	max	.2537979		
Si	4.348110	SAB	3.181681	Sf	3.150681	K	.1439461	z	.0288839	m	.0230940		
n	.0923761	gam	24.041817	b-al	10.671771	the	100.67179	phi	114.04184				
N	3.0000000	w1	.2000000	w2	.0800000	w3	.0200000	SF	.0291720	LFr	.7256050		
PRA	1.0300000	PRB	1.0604155	PRC	1.2092724	L	.0996647	min	.0764995	max	.2537979		
Si	2.898738	SAB	2.456995	Sf	3.150681	K	.0231652	z	.1334833	m	.0230940		
n	.0923761	gam	24.041817	b-al	10.671771	the	100.67179	phi	114.04184	2-LEVEL THRUST			
N	3.0000000	w1	.2000000	w2	.0800000	w3	.0300000	SF	.0309467	LFr	.8377791		
PRA	1.0300000	PRB	1.0249258	PRC	1.1407755	L	.2216244	min	.0801863	max	.2459377		
Si	4.348126	SAB	3.252747	Sf	3.151191	K	.1414381	z	.0210559	m	.0346410		
n	.0923761	gam	24.041817	b-al	12.839472	the	102.83949	phi	114.04184				
N	3.0000000	w1	.2000000	w2	.0800000	w3	.0300000	SF	.0309467	LFr	.7616549		
PRA	1.0400000	PRB	1.0299264	PRC	1.1407755	L	.1310368	min	.0801863	max	.2459377		
Si	3.261075	SAB	2.709221	Sf	3.151191	K	.0508505	z	.0995071	m	.0346410		
n	.0923761	gam	24.041817	b-al	12.839472	the	102.83949	phi	114.04184				
N	3.0000000	w1	.2000000	w2	.0800000	w3	.0400000	SF	.0333490	LFr	.8586950		
PRA	1.0400000	PRB	1.0024501	PRC	1.1358396	L	.2226467	min	.0834754	max	.2376798		
Si	4.348118	SAB	3.324727	Sf	3.151925	K	.1391713	z	.0130190	m	.0461880		
n	.0923761	gam	24.041817	b-al	15.026038	the	105.02606	phi	114.04184				
N	3.0000000	w1	.2000000	w2	.0800000	w3	.0400000	SF	.0333490	LFr	.7922621		
PRA	1.0500000	PRB	1.0028188	PRC	1.1358396	L	.1501789	min	.0834754	max	.2376798		
Si	3.478504	SAB	2.889920	Sf	3.151925	K	.0667035	z	.0757780	m	.0461880		
n	.0923761	gam	24.041817	b-al	15.026038	the	105.02606	phi	114.04184				
N	3.0000000	w1	.2000000	w2	.0800000	w3	.0400000	SF	.0333490	LFr	.7479715		
PRA	1.0598257	PRB	.9968785	PRC	1.2162919	L	.1018658	min	.0834754	max	.2376798		
Si	2.898746	SAB	2.599536	Sf	3.151925	K	.0183904	z	.1176184	m	.0461880		
n	.0923761	gam	24.041817	b-al	15.026038	the	105.02606	phi	114.04184	2-LEVEL THRUST			
N	3.0000000	w1	.2000000	w2	.0800000	w3	.0500000	SF	.0367451	LFr	.8808947		
PRA	1.0500000	PRB	.9832116	PRC	1.1281738	L	.2235184	min	.0863541	max	.2290114		
Si	4.348123	SAB	3.397625	Sf	3.152937	K	.1371643	z	.0047571	m	.0577350		
n	.0923761	gam	24.041817	b-al	17.235267	the	107.23529	phi	114.04184				

N	3.0000000	w1	.2000000	w2	.0800000	w3	.0500000	SF	.0367451	LFr	.8209190		
PRA	1.0600000	PRB	.9812075	PRC	1.1281738	L	.1631279	min	.0863541	max	.2290114		
Si	3.623438	SAB	3.035282	Sf	3.152937	K	.0767739	z	.0570568	m	.0577350		
n	.0923761	gam	24.041817	b-al	17.235267	the	107.23529	phi	114.04184				
N	3.0000000	w1	.2000000	w2	.0800000	w3	.0500000	SF	.0367451	LFr	.7780790		
PRA	1.0700000	PRB	.9785023	PRC	1.1605443	L	.1199913	min	.0863541	max	.2290114		
Si	3.105799	SAB	2.776462	Sf	3.152937	K	.0336373	z	.0944142	m	.0577350		
n	.0923761	gam	24.041817	b-al	17.235267	the	107.23529	phi	114.04184	2-LEVEL THRUST			
N	3.0000000	w1	.2000000	w2	.0800000	w3	.0500000	SF	.0367451	LFr	.7459488		
PRA	1.0700959	PRB	.9648436	PRC	1.278775	L	.0876389	min	.0863541	max	.2290114		
Si	2.717569	SAB	2.555432	Sf	3.152937	K	.0012848	z	.1224322	m	.0577350		
n	.0923761	gam	24.041817	b-al	17.235267	the	107.23529	phi	114.04184	2-LEVEL THRUST			
N	3.0000000	w1	.2000000	w2	.0800000	w3	.0600000	SF	.0410633	LFr	.8488484		
PRA	1.0700000	PRB	.9653669	PRC	1.1159797	L	.1724777	min	.0888137	max	.2199240		
Si	3.726950	SAB	3.160817	Sf	3.154308	K	.0836641	z	.0410897	m	.0692820		
n	.0923761	gam	24.041817	b-al	19.470873	the	109.47089	phi	114.04184				
N	3.0000000	w1	.2000000	w2	.0800000	w3	.0600000	SF	.0410633	LFr	.8073273		
PRA	1.0800000	PRB	.9626610	PRC	1.1191205	L	.1336556	min	.0888137	max	.2199240		
Si	3.261083	SAB	2.927884	Sf	3.154308	K	.0448419	z	.0747107	m	.0692820		
n	.0923761	gam	24.041817	b-al	19.470873	the	109.47089	phi	114.04184	2-LEVEL THRUST			
N	3.0000000	w1	.2000000	w2	.0800000	w3	.0600000	SF	.0410633	LFr	.7750330		
PRA	1.0865170	PRB	.9553197	PRC	1.2065397	L	.1034603	min	.0888137	max	.2199240		
Si	2.898741	SAB	2.736615	Sf	3.154308	K	.0146466	z	.1008606	m	.0692820		
n	.0923761	gam	24.041817	b-al	19.470873	the	109.47089	phi	114.04184	2-LEVEL THRUST			
N	3.0000000	w1	.2000000	w2	.0900000	w3	.0200000	SF	.0375252	LFr	.8362847		
PRA	1.0200000	PRB	1.0667244	PRC	1.1092587	L	.2254410	min	.0869828	max	.2537979		
Si	4.348112	SAB	3.151710	Sf	3.153652	K	.1384582	z	.0245578	m	.0230940		
n	.1039231	gam	26.387580	b-al	10.671771	the	100.67179	phi	116.38760				
N	3.0000000	w1	.2000000	w2	.0900000	w3	.0200000	SF	.0375252	LFr	.7347880		
PRA	1.0300000	PRB	1.0763904	PRC	1.2071738	L	.1046600	min	.0869828	max	.2537979		
Si	2.898740	SAB	2.427025	Sf	3.153652	K	.0176773	z	.1291572	m	.0230940		
n	.1039231	gam	26.387580	b-al	10.671771	the	100.67179	phi	116.38760	2-LEVEL THRUST			
N	3.0000000	w1	.2000000	w2	.0900000	w3	.0300000	SF	.0392990	LFr	.8563795		
PRA	1.0300000	PRB	1.0404768	PRC	1.1069984	L	.2266197	min	.0906696	max	.2459377		
Si	4.348128	SAB	3.222776	Sf	3.154162	K	.1359502	z	.0167298	m	.0346410		
n	.1039231	gam	26.387580	b-al	12.839472	the	102.83949	phi	116.38760				
N	3.0000000	w1	.2000000	w2	.0900000	w3	.0300000	SF	.0392990	LFr	.7733374		
PRA	1.0400000	PRB	1.0484695	PRC	1.1228275	L	.1360340	min	.0906696	max	.2459377		
Si	3.261099	SAB	2.679262	Sf	3.154162	K	.0453645	z	.0951794	m	.0346410		
n	.1039231	gam	26.387580	b-al	12.839472	the	102.83949	phi	116.38760	2-LEVEL THRUST			
N	3.0000000	w1	.2000000	w2	.0900000	w3	.0400000	SF	.0417013	LFr	.8775044		
PRA	1.0400000	PRB	1.0165371	PRC	1.1035304	L	.2276421	min	.0939587	max	.2376798		
Si	4.348119	SAB	3.294756	Sf	3.154895	K	.1336834	z	.0086929	m	.0461880		
n	.1039231	gam	26.387580	b-al	15.026038	the	105.02606	phi	116.38760				
N	3.0000000	w1	.2000000	w2	.0900000	w3	.0400000	SF	.0417013	LFr	.8055325		
PRA	1.0500000	PRB	1.0190514	PRC	1.1035304	L	.1551724	min	.0939587	max	.2376798		
Si	3.478483	SAB	2.859938	Sf	3.154895	K	.0612137	z	.0714535	m	.0461880		
n	.1039231	gam	26.387580	b-al	15.026038	the	105.02606	phi	116.38760				
N	3.0000000	w1	.2000000	w2	.0900000	w3	.0400000	SF	.0417013	LFr	.7575531		
PRA	1.0589852	PRB	1.0088332	PRC	1.2181982	L	.1068611	min	.0939587	max	.2376798		
Si	2.898748	SAB	2.567129	Sf	3.154895	K	.0129024	z	.1132923	m	.0461880		
n	.1039231	gam	26.387580	b-al	15.026038	the	105.02606	phi	116.38760	2-LEVEL THRUST			

N	3.0000000	w1	.2000000	w2	.0900000	w3	.0500000	SF	.0450983	LFr	.8999329
PRA	1.0500000	PRB	.9952649	PRC	1.0983110	L	.2285137	min	.0968373	max	.2290114
Si	4.348125	SAB	3.367654	Sf	3.155908	K	.1316764	z	.0004310	m	.0577350
n	.1039231	gam	26.387580	b-al	17.235267	the	107.23529	phi	116.38760		
N	3.0000000	w1	.2000000	w2	.0900000	w3	.0500000	SF	.0450983	LFr	.8353443
PRA	1.0600000	PRB	.9946940	PRC	1.0983110	L	.1681233	min	.0968373	max	.2290114
Si	3.623439	SAB	3.005312	Sf	3.155908	K	.0712860	z	.0527307	m	.0577350
n	.1039231	gam	26.387580	b-al	17.235267	the	107.23529	phi	116.38760		
N	3.0000000	w1	.2000000	w2	.0900000	w3	.0500000	SF	.0450983	LFr	.7892094
PRA	1.0700447	PRB	.9903549	PRC	1.1602010	L	.1249867	min	.0968373	max	.2290114
Si	3.105800	SAB	2.746631	Sf	3.155908	K	.0281494	z	.0900881	m	.0577350
n	.1039231	gam	26.387580	b-al	17.235267	the	107.23529	phi	116.38760	2-LEVEL THRUST	
N	3.0000000	w1	.2000000	w2	.0900000	w3	.0600000	SF	.0494165	LFr	.8641796
PRA	1.0700000	PRB	.9750372	PRC	1.0904446	L	.1774731	min	.0992970	max	.2199240
Si	3.726951	SAB	3.130847	Sf	3.157279	K	.0781761	z	.0367636	m	.0692820
n	.1039231	gam	26.387580	b-al	19.470873	the	109.47089	phi	116.38760		
N	3.0000000	w1	.2000000	w2	.0900000	w3	.0600000	SF	.0494165	LFr	.8196926
PRA	1.0800000	PRB	.9722020	PRC	1.1206525	L	.1386509	min	.0992970	max	.2199240
Si	3.261085	SAB	2.897914	Sf	3.157279	K	.0393540	z	.0703846	m	.0692820
n	.1039231	gam	26.387580	b-al	19.470873	the	109.47089	phi	116.38760	2-LEVEL THRUST	
N	3.0000000	w1	.2000000	w2	.0900000	w3	.0600000	SF	.0494165	LFr	.7850924
PRA	1.0837016	PRB	.9614162	PRC	1.2169750	L	.1084557	min	.0992970	max	.2199240
Si	2.898742	SAB	2.698484	Sf	3.157279	K	.0091587	z	.0965345	m	.0692820
n	.1039231	gam	26.387580	b-al	19.470873	the	109.47089	phi	116.38760	2-LEVEL THRUST	
N	3.0000000	w1	.2000000	w2	.0900000	w3	.0700000	SF	.0549164	LFr	.8930101
PRA	1.0800000	PRB	.9608914	PRC	1.0781870	L	.1845188	min	.1013092	max	.2103892
Si	3.804603	SAB	3.244347	Sf	3.159063	K	.0832097	z	.0224044	m	.0808291
n	.1039231	gam	26.387580	b-al	21.738145	the	111.73817	phi	116.38760		
N	3.0000000	w1	.2000000	w2	.0900000	w3	.0700000	SF	.0549164	LFr	.8499498
PRA	1.0900000	PRB	.9581643	PRC	1.0870500	L	.1492901	min	.1013092	max	.2103892
Si	3.381859	SAB	3.032974	Sf	3.159063	K	.0479809	z	.0529134	m	.0808291
n	.1039231	gam	26.387580	b-al	21.738145	the	111.73817	phi	116.38760	2-LEVEL THRUST	
N	3.0000000	w1	.2000000	w2	.0900000	w3	.0700000	SF	.0549164	LFr	.8155041
PRA	1.0969285	PRB	.9513816	PRC	1.1632352	L	.1211090	min	.1013092	max	.2103892
Si	3.043686	SAB	2.854539	Sf	3.159063	K	.0197999	z	.0773190	m	.0808291
n	.1039231	gam	26.387580	b-al	21.738145	the	111.73817	phi	116.38760	2-LEVEL THRUST	
N	3.0000000	w1	.2000000	w2	.1000000	w3	.0200000	SF	.0475979	LFr	.8551502
PRA	1.0200000	PRB	1.0839726	PRC	1.0772936	L	.2308102	min	.0979816	max	.2537979
Si	4.348130	SAB	3.119513	Sf	3.157446	K	.1328286	z	.0199080	m	.0230940
n	.1154701	gam	28.782028	b-al	10.671771	the	100.67179	phi	118.78205		
N	3.0000000	w1	.2000000	w2	.1000000	w3	.0200000	SF	.0475979	LFr	.7444248
PRA	1.0300000	PRB	1.0901306	PRC	1.2094426	L	.1100273	min	.0979816	max	.2537979
Si	2.898735	SAB	2.394816	Sf	3.157446	K	.0120457	z	.1245090	m	.0230940
n	.1154701	gam	28.782028	b-al	10.671771	the	100.67179	phi	118.78205	2-LEVEL THRUST	
N	3.0000000	w1	.2000000	w2	.1000000	w3	.0300000	SF	.0493717	LFr	.8754625
PRA	1.0300000	PRB	1.0566678	PRC	1.0756462	L	.2319870	min	.1016684	max	.2459377
Si	4.348123	SAB	3.190568	Sf	3.157956	K	.1303186	z	.0120816	m	.0346410
n	.1154701	gam	28.782028	b-al	12.839472	the	102.83949	phi	118.78205		
N	3.0000000	w1	.2000000	w2	.1000000	w3	.0300000	SF	.0493717	LFr	.7854967
PRA	1.0400000	PRB	1.0664100	PRC	1.1187191	L	.1413994	min	.1016684	max	.2459377
Si	3.261071	SAB	2.647042	Sf	3.157956	K	.0397310	z	.0905328	m	.0346410
n	.1154701	gam	28.782028	b-al	12.839472	the	102.83949	phi	118.78205	2-LEVEL THRUST	

N	3.0000000	w1	.2000000	w2	.1000000	w3	.0400000	SF	.0517740	LFr	.8968239
PRA	1.0400000	PRB	1.0314867	PRC	1.0731526	L	.2330094	min	.1049575	max	.2376798
Si	4.348114	SAB	3.262548	Sf	3.158689	K	.1280519	z	.0040447	m	.0461880
n	.1154701	gam	28.782028	b-al	15.026038	the	105.02606	phi	118.78205		

N	3.0000000	w1	.2000000	w2	.1000000	w3	.0400000	SF	.0517740	LFr	.8193178
PRA	1.0500000	PRB	1.0363772	PRC	1.0778280	L	.1605415	min	.1049575	max	.2376798
Si	3.478501	SAB	2.827741	Sf	3.158689	K	.0555841	z	.0668037	m	.0461880
n	.1154701	gam	28.782028	b-al	15.026038	the	105.02606	phi	118.78205	2-LEVEL THRUST	

N	3.0000000	w1	.2000000	w2	.1000000	w3	.0400000	SF	.0517740	LFr	.7676459
PRA	1.0571815	PRB	1.0198210	PRC	1.2243778	L	.1122284	min	.1049575	max	.2376798
Si	2.898743	SAB	2.529691	Sf	3.158689	K	.0072709	z	.1086441	m	.0461880
n	.1154701	gam	28.782028	b-al	15.026038	the	105.02606	phi	118.78205	2-LEVEL THRUST	

N	3.0000000	w1	.2000000	w2	.1000000	w3	.0500000	SF	.0551710	LFr	.8503065
PRA	1.0600000	PRB	1.0097024	PRC	1.0694782	L	.1734905	min	.1078361	max	.2290114
Si	3.623434	SAB	2.973103	Sf	3.159702	K	.0656544	z	.0480825	m	.0577350
n	.1154701	gam	28.782028	b-al	17.235267	the	107.23529	phi	118.78205		

N	3.0000000	w1	.2000000	w2	.1000000	w3	.0500000	SF	.0551710	LFr	.8008757
PRA	1.0697256	PRB	1.0022505	PRC	1.1618529	L	.1303539	min	.1078361	max	.2290114
Si	3.105795	SAB	2.713430	Sf	3.159702	K	.0225178	z	.0854399	m	.0577350
n	.1154701	gam	28.782028	b-al	17.235267	the	107.23529	phi	118.78205	2-LEVEL THRUST	

N	3.0000000	w1	.2000000	w2	.1000000	w3	.0600000	SF	.0594893	LFr	.8800812
PRA	1.0700000	PRB	.9873665	PRC	1.0641069	L	.1828423	min	.1102958	max	.2199240
Si	3.726969	SAB	3.098650	Sf	3.161073	K	.0725465	z	.0321138	m	.0692820
n	.1154701	gam	28.782028	b-al	19.470873	the	109.47089	phi	118.78205		

N	3.0000000	w1	.2000000	w2	.1000000	w3	.0600000	SF	.0594893	LFr	.8326264
PRA	1.0799405	PRB	.9830761	PRC	1.1221358	L	.1440182	min	.1102958	max	.2199240
Si	3.261080	SAB	2.865510	Sf	3.161073	K	.0337224	z	.0657364	m	.0692820
n	.1154701	gam	28.782028	b-al	19.470873	the	109.47089	phi	118.78205	2-LEVEL THRUST	

N	3.0000000	w1	.2000000	w2	.1000000	w3	.0600000	SF	.0594893	LFr	.7957182
PRA	1.0794567	PRB	.9684090	PRC	1.2299278	L	.1138229	min	.1102958	max	.2199240
Si	2.898737	SAB	2.653970	Sf	3.161073	K	.0035272	z	.0918863	m	.0692820
n	.1154701	gam	28.782028	b-al	19.470873	the	109.47089	phi	118.78205	2-LEVEL THRUST	

N	3.0000000	w1	.2000000	w2	.1000000	w3	.0700000	SF	.0649891	LFr	.9097042
PRA	1.0800000	PRB	.9693519	PRC	1.0561747	L	.1898861	min	.1123080	max	.2103892
Si	3.804598	SAB	3.212138	Sf	3.162857	K	.0775781	z	.0177562	m	.0808291
n	.1154701	gam	28.782028	b-al	21.738145	the	111.73817	phi	118.78205		

N	3.0000000	w1	.2000000	w2	.1000000	w3	.0700000	SF	.0649891	LFr	.8639546
PRA	1.0900000	PRB	.9660853	PRC	1.0910139	L	.1546593	min	.1123080	max	.2103892
Si	3.381877	SAB	3.000777	Sf	3.162857	K	.0423513	z	.0482636	m	.0808291
n	.1154701	gam	28.782028	b-al	21.738145	the	111.73817	phi	118.78205	2-LEVEL THRUST	

N	3.0000000	w1	.2000000	w2	.1000000	w3	.0700000	SF	.0649891	LFr	.8273535
PRA	1.0944597	PRB	.9565770	PRC	1.1746533	L	.1264763	min	.1123080	max	.2103892
Si	3.043681	SAB	2.814815	Sf	3.162857	K	.0141683	z	.0726708	m	.0808291
n	.1154701	gam	28.782028	b-al	21.738145	the	111.73817	phi	118.78205	2-LEVEL THRUST	

N	3.0000000	w1	.2000000	w2	.1000000	w3	.0800000	SF	.0718346	LFr	.9397354
PRA	1.0900000	PRB	.9567200	PRC	1.0440091	L	.1953488	min	.1138580	max	.2003922
Si	3.864997	SAB	3.317884	Sf	3.165176	K	.0814908	z	.0043678	m	.0923761
n	.1154701	gam	28.782028	b-al	24.041817	the	114.04184	phi	118.78205		

N	3.0000000	w1	.2000000	w2	.1000000	w3	.0800000	SF	.0718346	LFr	.8954439
PRA	1.1000000	PRB	.9537808	PRC	1.0620649	L	.1631394	min	.1138580	max	.2003922
Si	3.478485	SAB	3.124627	Sf	3.165176	K	.0492814	z	.0322619	m	.0923761
n	.1154701	gam	28.782028	b-al	24.041817	the	114.04184	phi	118.78205	2-LEVEL THRUST	

N	3.0000000	w1	.2000000	w2	.1000000	w3	.0800000	SF	.0718346	LFr	.8592081		
PRA	1.1065218	PRB	.9473490	PRC	1.1304585	L	.1367874	min	.1138580	max	.2003922		
Si	3.162262	SAB	2.955516	Sf	3.165176	K	.0229295	z	.0550834	m	.0923760		
n	.1154701	gam	28.782028	b-al	24.041817	the	114.04184	phi	118.78205	2-LEVEL THRUST			
N	3.0000000	w1	.2000000	w2	.1000000	w3	.0800000	SF	.0718346	LFr	.8290119		
PRA	1.0989627	PRB	.9389549	PRC	1.2152944	L	.1148281	min	.1138580	max	.2003922		
Si	2.898750	SAB	2.773778	Sf	3.165176	K	.0009702	z	.0741007	m	.0923760		
n	.1154701	gam	28.782028	b-al	24.041817	the	114.04184	phi	118.78205	2-LEVEL THRUST			
N	3.0000000	w1	.2000000	w2	.1100000	w3	.0200000	SF	.0596237	LFr	.8745651		
PRA	1.0200000	PRB	1.1017704	PRC	1.0479715	L	.2365856	min	.1095312	max	.2537979		
Si	4.348125	SAB	3.084856	Sf	3.162284	K	.1270545	z	.0149063	m	.0230940		
n	.1270171	gam	31.232814	b-al	10.671771	the	100.67179	phi	121.23283				
N	3.0000000	w1	.2000000	w2	.1100000	w3	.0200000	SF	.0596237	LFr	.7546129		
PRA	1.0296411	PRB	1.1009597	PRC	1.2175303	L	.1158028	min	.1095312	max	.2537979		
Si	2.898731	SAB	2.359118	Sf	3.162284	K	.0062716	z	.1195073	m	.0230940		
n	.1270171	gam	31.232814	b-al	10.671771	the	100.67179	phi	121.23283	2-LEVEL THRUST			
N	3.0000000	w1	.2000000	w2	.1100000	w3	.0300000	SF	.0613976	LFr	.8951244		
PRA	1.0300000	PRB	1.0734543	PRC	1.0467592	L	.2377625	min	.1132179	max	.2459377		
Si	4.348118	SAB	3.155911	Sf	3.162794	K	.1245445	z	.0070799	m	.0346410		
n	.1270171	gam	31.232814	b-al	12.839472	the	102.83949	phi	121.23283				
N	3.0000000	w1	.2000000	w2	.1100000	w3	.0300000	SF	.0613976	LFr	.7982407		
PRA	1.0400000	PRB	1.0834444	PRC	1.1174425	L	.1471768	min	.1132179	max	.2459377		
Si	3.261090	SAB	2.612396	Sf	3.162794	K	.0339588	z	.0855295	m	.0346410		
n	.1270171	gam	31.232814	b-al	12.839472	the	102.83949	phi	121.23283	2-LEVEL THRUST			
N	3.0000000	w1	.2000000	w2	.1100000	w3	.0400000	SF	.0637999	LFr	.8337116		
PRA	1.0500000	PRB	1.0535818	PRC	1.0750268	L	.1663170	min	.1165071	max	.2376798		
Si	3.478496	SAB	2.793084	Sf	3.163527	K	.0498099	z	.0618020	m	.0461880		
n	.1270171	gam	31.232814	b-al	15.026038	the	105.02606	phi	121.23283	2-LEVEL THRUST			
N	3.0000000	w1	.2000000	w2	.1100000	w3	.0400000	SF	.0637999	LFr	.7783489		
PRA	1.0539095	PRB	1.0286777	PRC	1.2372851	L	.1180039	min	.1165071	max	.2376798		
Si	2.898739	SAB	2.485550	Sf	3.163527	K	.0014968	z	.1036424	m	.0461880		
n	.1270171	gam	31.232814	b-al	15.026038	the	105.02606	phi	121.23283	2-LEVEL THRUST			
N	3.0000000	w1	.2000000	w2	.1100000	w3	.0500000	SF	.0671969	LFr	.8659115		
PRA	1.0600000	PRB	1.0258612	PRC	1.0497944	L	.1792660	min	.1193857	max	.2290114		
Si	3.623430	SAB	2.938446	Sf	3.164540	K	.0598803	z	.0430808	m	.0577350		
n	.1270171	gam	31.232814	b-al	17.235267	the	107.23529	phi	121.23283	2-LEVEL THRUST			
N	3.0000000	w1	.2000000	w2	.1100000	w3	.0500000	SF	.0671969	LFr	.8131857		
PRA	1.0688070	PRB	1.0135881	PRC	1.1667447	L	.1361294	min	.1193857	max	.2290114		
Si	3.105791	SAB	2.675920	Sf	3.164540	K	.0167437	z	.0804382	m	.0577350		
n	.1270171	gam	31.232814	b-al	17.235267	the	107.23529	phi	121.23283	2-LEVEL THRUST.			
N	3.0000000	w1	.2000000	w2	.1100000	w3	.0600000	SF	.0715151	LFr	.8966560		
PRA	1.0700000	PRB	1.0013265	PRC	1.0385228	L	.1886177	min	.1218453	max	.2199240		
Si	3.726965	SAB	3.063993	Sf	3.165910	K	.0667724	z	.0271121	m	.0692820		
n	.1270171	gam	31.232814	b-al	19.470873	the	109.47089	phi	121.23283				
N	3.0000000	w1	.2000000	w2	.1100000	w3	.0600000	SF	.0715151	LFr	.8462353		
PRA	1.0797645	PRB	.9939092	PRC	1.1254408	L	.1497936	min	.1218453	max	.2199240		
Si	3.261076	SAB	2.830279	Sf	3.165910	K	.0279483	z	.0607347	m	.0692820		
n	.1270171	gam	31.232814	b-al	19.470873	the	109.47089	phi	121.23283	2-LEVEL THRUST			
N	3.0000000	w1	.2000000	w2	.1100000	w3	.0700000	SF	.0770149	LFr	.9271021		
PRA	1.0800000	PRB	.9806323	PRC	1.0331118	L	.1956616	min	.1238575	max	.2103892		
Si	3.804594	SAB	3.177481	Sf	3.167694	K	.0718040	z	.0127546	m	.0808291		
n	.1270171	gam	31.232814	b-al	21.738145	the	111.73817	phi	121.23283				

N	3.0000000	wl	.2000000	w2	.1100000	w3	.0700000	SF	.0770149	LFr	.8786621
PRA	1.0899442	PRB	.9755133	PRC	1.0948358	L	.1604347	min	.1238575	max	.2103892
Si	3.381872	SAB	2.965931	Sf	3.167694	K	.0365772	z	.0432619	m	.0808291
n	.1270171	gam	31.232814	b-al	21.738145	the	111.73817	phi	121.23283	2-LEVEL THRUST	

N	3.0000000	wl	.2000000	w2	.1100000	w3	.0700000	SF	.0770149	LFr	.8399077
PRA	1.0908999	PRB	.9631364	PRC	1.1876318	L	.1322518	min	.1238575	max	.2103892
Si	3.043676	SAB	2.769323	Sf	3.167694	K	.0083942	z	.0676691	m	.0808291
n	.1270171	gam	31.232814	b-al	21.738145	the	111.73817	phi	121.23283	2-LEVEL THRUST	

N	3.0000000	wl	.2000000	w2	.1100000	w3	.0800000	SF	.0838614	LFr	.9111223
PRA	1.1000067	PRB	.9599811	PRC	1.0686640	L	.1689148	min	.1254075	max	.2003922
Si	3.478480	SAB	3.089991	Sf	3.170014	K	.0435073	z	.0272602	m	.0923761
n	.1270171	gam	31.232814	b-al	24.041817	the	114.04184	phi	121.23283	2-LEVEL THRUST	

N	3.0000000	wl	.2000000	w2	.1100000	w3	.0800000	SF	.0838614	LFr	.8728724
PRA	1.1040784	PRB	.9514003	PRC	1.1437676	L	.1425629	min	.1254075	max	.2003922
Si	3.162257	SAB	2.913131	Sf	3.170014	K	.0171554	z	.0500817	m	.0923761
n	.1270171	gam	31.232814	b-al	24.041817	the	114.04184	phi	121.23283	2-LEVEL THRUST	

N	3.0000000	wl	.2000000	w2	.1100000	w3	.0900000	SF	.0921707	LFr	.9440212
PRA	1.1100037	PRB	.9494016	PRC	1.0424735	L	.1757889	min	.1264715	max	.1899092
Si	3.557543	SAB	3.205922	Sf	3.172984	K	.0493174	z	.0122285	m	.1039231
n	.1270171	gam	31.232814	b-al	26.387580	the	116.38760	phi	121.23283	2-LEVEL THRUST	

N	3.0000000	wl	.2000000	w2	.1100000	w3	.0900000	SF	.0921707	LFr	.9062767
PRA	1.1156025	PRB	.9431968	PRC	1.1053868	L	.1510849	min	.1264715	max	.1899092
Si	3.261095	SAB	3.043346	Sf	3.172984	K	.0246134	z	.0336228	m	.1039231
n	.1270171	gam	31.232814	b-al	26.387580	the	116.38760	phi	121.23283	2-LEVEL THRUST	

N	3.0000000	wl	.2000000	w2	.1100000	w3	.0900000	SF	.0921707	LFr	.8743363
PRA	1.1093602	PRB	.9356483	PRC	1.1815551	L	.1301804	min	.1264715	max	.1899092
Si	3.010241	SAB	2.870128	Sf	3.172984	K	.0037089	z	.0517267	m	.1039231
n	.1270171	gam	31.232814	b-al	26.387580	the	116.38760	phi	121.23283	2-LEVEL THRUST	

N	3.0000000	wl	.2000000	w2	.1200000	w3	.0200000	SF	.0738831	LFr	.8946486
PRA	1.0200000	PRB	1.1201585	PRC	1.0212484	L	.2428112	min	.1216736	max	.2537979
Si	4.348119	SAB	3.047496	Sf	3.168470	K	.1211376	z	.0095148	m	.0230940
n	.1385641	gam	33.748912	b-al	10.671771	the	100.67179	phi	123.74893		

N	3.0000000	wl	.2000000	w2	.1200000	w3	.0200000	SF	.0738831	LFr	.7654705
PRA	1.0280253	PRB	1.1094852	PRC	1.2324971	L	.1220303	min	.1216736	max	.2537979
Si	2.898747	SAB	2.317086	Sf	3.168470	K	.0003567	z	.1141141	m	.0230940
n	.1385641	gam	33.748912	b-al	10.671771	the	100.67179	phi	123.74893	2-LEVEL THRUST	

N	3.0000000	wl	.2000000	w2	.1200000	w3	.0300000	SF	.0756569	LFr	.9154930
PRA	1.0300000	PRB	1.0908407	PRC	1.0203529	L	.2439881	min	.1253604	max	.2459377
Si	4.348112	SAB	3.118551	Sf	3.168980	K	.1186277	z	.0016884	m	.0346410
n	.1385641	gam	33.748912	b-al	12.839472	the	102.83949	phi	123.74893		

N	3.0000000	wl	.2000000	w2	.1200000	w3	.0300000	SF	.0756569	LFr	.8116894
PRA	1.0400000	PRB	1.0990278	PRC	1.1197665	L	.1534023	min	.1253604	max	.2459377
Si	3.261083	SAB	2.575036	Sf	3.168980	K	.0280420	z	.0801380	m	.0346410
n	.1385641	gam	33.748912	b-al	12.839472	the	102.83949	phi	123.74893	2-LEVEL THRUST	

N	3.0000000	wl	.2000000	w2	.1200000	w3	.0400000	SF	.0780592	LFr	.8488465
PRA	1.0500000	PRB	1.0702104	PRC	1.0747689	L	.1725426	min	.1286495	max	.2376798
Si	3.478490	SAB	2.755724	Sf	3.169713	K	.0438931	z	.0564105	m	.0461880
n	.1385641	gam	33.748912	b-al	15.026038	the	105.02606	phi	123.74893	2-LEVEL THRUST	

N	3.0000000	wl	.2000000	w2	.1200000	w3	.0500000	SF	.0814562	LFr	.8822918
PRA	1.0600000	PRB	1.0419239	PRC	1.0489676	L	.1854916	min	.1315281	max	.2290114
Si	3.623424	SAB	2.901086	Sf	3.170726	K	.0539634	z	.0376893	m	.0577350
n	.1385641	gam	33.748912	b-al	17.235267	the	107.23529	phi	123.74893	2-LEVEL THRUST	

N	3.0000000	w1	.2000000	w2	.1200000	w3	.0500000	SF	.0814562	LFr	.8262701
PRA	1.0670007	PRB	1.0237867	PRC	1.1762690	L	.1423550	min	.1315281	max	.2290114
Si	3.105784	SAB	2.632949	Sf	3.170726	K	.0108268	z	.0750467	m	.0577350
n	.1385641	gam	33.748912	b-al	17.235267	the	107.23529	phi	123.74893	2-LEVEL THRUST	
N	3.0000000	w1	.2000000	w2	.1200000	w3	.0600000	SF	.0857744	LFr	.9140358
PRA	1.0700000	PRB	1.0162458	PRC	1.0313069	L	.1948433	min	.1339878	max	.2199240
Si	3.726958	SAB	3.026633	Sf	3.172096	K	.0608555	z	.0217206	m	.0692820
n	.1385641	gam	33.748912	b-al	19.470873	the	109.47089	phi	123.74893	2-LEVEL THRUST	
N	3.0000000	w1	.2000000	w2	.1200000	w3	.0600000	SF	.0857744	LFr	.8606510
PRA	1.0789116	PRB	1.0048616	PRC	1.1313906	L	.1560211	min	.1339878	max	.2199240
Si	3.261092	SAB	2.790150	Sf	3.172096	K	.0220334	z	.0553416	m	.0692820
n	.1385641	gam	33.748912	b-al	19.470873	the	109.47089	phi	123.74893	2-LEVEL THRUST	
N	3.0000000	w1	.2000000	w2	.1200000	w3	.0700000	SF	.0912743	LFr	.9453468
PRA	1.0800000	PRB	.9936566	PRC	1.0171998	L	.2018890	min	.1360000	max	.2103892
Si	3.804610	SAB	3.140133	Sf	3.173880	K	.0658891	z	.0073614	m	.0808291
n	.1385641	gam	33.748912	b-al	21.738145	the	111.73817	phi	123.74893	2-LEVEL THRUST	
N	3.0000000	w1	.2000000	w2	.1200000	w3	.0700000	SF	.0912743	LFr	.8942127
PRA	1.0895148	PRB	.9855797	PRC	1.1001669	L	.1666603	min	.1360000	max	.2103892
Si	3.381866	SAB	2.927118	Sf	3.173880	K	.0306603	z	.0378704	m	.0808291
n	.1385641	gam	33.748912	b-al	21.738145	the	111.73817	phi	123.74893	2-LEVEL THRUST	
N	3.0000000	w1	.2000000	w2	.1200000	w3	.0700000	SF	.0912743	LFr	.8533049
PRA	1.0856225	PRB	.9695383	PRC	1.2053462	L	.1384773	min	.1360000	max	.2103892
Si	3.043670	SAB	2.715900	Sf	3.173880	K	.0024774	z	.0622775	m	.0808291
n	.1385641	gam	33.748912	b-al	21.738145	the	111.73817	phi	123.74893	2-LEVEL THRUST	
N	3.0000000	w1	.2000000	w2	.1200000	w3	.0800000	SF	.0981197	LFr	.9276810
PRA	1.0995949	PRB	.9683089	PRC	1.0750322	L	.1751423	min	.1375500	max	.2003922
Si	3.478497	SAB	3.051212	Sf	3.176200	K	.0375924	z	.0218671	m	.0923761
n	.1385641	gam	33.748912	b-al	24.041817	the	114.04184	phi	123.74893	2-LEVEL THRUST	
N	3.0000000	w1	.2000000	w2	.1200000	w3	.0800000	SF	.0981197	LFr	.8874178
PRA	1.1005699	PRB	.9570489	PRC	1.1585003	L	.1487904	min	.1375500	max	.2003922
Si	3.162274	SAB	2.864689	Sf	3.176200	K	.0112404	z	.0446885	m	.0923761
n	.1385641	gam	33.748912	b-al	24.041817	the	114.04184	phi	123.74893	2-LEVEL THRUST	
N	3.0000000	w1	.2000000	w2	.1300000	w3	.0200000	SF	.0906754	LFr	.9155350
PRA	1.0200000	PRB	1.1392017	PRC	.9971237	L	.2495403	min	.1344614	max	.2537979
Si	4.348129	SAB	3.007132	Sf	3.176427	K	.1150790	z	.0036872	m	.0230940
n	.1501111	gam	36.341171	b-al	10.671771	the	100.67179	phi	126.34119		
N	3.0000000	w1	.2000000	w2	.1300000	w3	.0300000	SF	.0924492	LFr	.8259745
PRA	1.0400000	PRB	1.1130451	PRC	1.1260975	L	.1601296	min	.1381481	max	.2459377
Si	3.261071	SAB	2.534661	Sf	3.176937	K	.0219814	z	.0743120	m	.0346410
n	.1501111	gam	36.341171	b-al	12.839472	the	102.83949	phi	126.34119	2-LEVEL THRUST	
N	3.0000000	w1	.2000000	w2	.1300000	w3	.0400000	SF	.0948515	LFr	.8648586
PRA	1.0500000	PRB	1.0859483	PRC	1.0776366	L	.1792717	min	.1414373	max	.2376798
Si	3.478500	SAB	2.715360	Sf	3.177670	K	.0378345	z	.0505829	m	.0461880
n	.1501111	gam	36.341171	b-al	15.026038	the	105.02606	phi	126.34119	2-LEVEL THRUST	
N	3.0000000	w1	.2000000	w2	.1300000	w3	.0500000	SF	.0982485	LFr	.8995876
PRA	1.0600000	PRB	1.0572461	PRC	1.0509825	L	.1922207	min	.1443159	max	.2290114
Si	3.623434	SAB	2.860722	Sf	3.178683	K	.0479048	z	.0318617	m	.0577350
n	.1501111	gam	36.341171	b-al	17.235267	the	107.23529	phi	126.34119	2-LEVEL THRUST	
N	3.0000000	w1	.2000000	w2	.1300000	w3	.0500000	SF	.0982485	LFr	.8402701
PRA	1.0638774	PRB	1.0325891	PRC	1.1918304	L	.1490841	min	.1443159	max	.2290114
Si	3.105795	SAB	2.582886	Sf	3.178683	K	.0047682	z	.0692191	m	.0577350
n	.1501111	gam	36.341171	b-al	17.235267	the	107.23529	phi	126.34119	2-LEVEL THRUST	

N	3.0000000	w1	.2000000	w2	.1300000	w3	.0600000	SF	.1025667	LFr	.9323721		
PRA	1.0700000	PRB	1.0309664	PRC	1.0329067	L	.2015724	min	.1467755	max	.2199240		
Si	3.726969	SAB	2.986269	Sf	3.180054	K	.0547969	z	.0158930	m	.0692820		
n	.1501111	gam	36.341171	b-al	19.470873	the	109.47089	phi	126.34119	2-LEVEL THRUST			
N	3.0000000	w1	.2000000	w2	.1300000	w3	.0600000	SF	.1025667	LFr	.8760185		
PRA	1.0773437	PRB	1.0149640	PRC	1.1415508	L	.1627483	min	.1467755	max	.2199240		
Si	3.261080	SAB	2.744660	Sf	3.180054	K	.0159728	z	.0495156	m	.0692820		
n	.1501111	gam	36.341171	b-al	19.470873	the	109.47089	phi	126.34119	2-LEVEL THRUST			
N	3.0000000	w1	.2000000	w2	.1300000	w3	.0700000	SF	.1080666	LFr	.9645786		
PRA	1.0800000	PRB	1.0071130	PRC	1.0192300	L	.2086163	min	.1487877	max	.2103892		
Si	3.804598	SAB	3.099757	Sf	3.181838	K	.0598285	z	.0015354	m	.0808291		
n	.1501111	gam	36.341171	b-al	21.738145	the	111.73817	phi	126.34119	2-LEVEL THRUST			
N	3.0000000	w1	.2000000	w2	.1300000	w3	.0700000	SF	.1080666	LFr	.9107561		
PRA	1.0884866	PRB	.9953408	PRC	1.1087146	L	.1733894	min	.1487877	max	.2103892		
Si	3.381876	SAB	2.883278	Sf	3.181838	K	.0246017	z	.0320428	m	.0808291		
n	.1501111	gam	36.341171	b-al	21.738145	the	111.73817	phi	126.34119	2-LEVEL THRUST			
N	3.0000000	w1	.2000000	w2	.1400000	w3	.0300000	SF	.1121540	LFr	.8412829		
PRA	1.0400198	PRB	1.1247359	PRC	1.1376324	L	.1674233	min	.1516434	max	.2459377		
Si	3.261093	SAB	2.490985	Sf	3.187305	K	.0157798	z	.0679955	m	.0346410		
n	.1616581	gam	39.022490	b-al	12.839472	the	102.83949	phi	129.02251	2-LEVEL THRUST			
N	3.0000000	w1	.2000000	w2	.1400000	w3	.0400000	SF	.1145563	LFr	.8819323		
PRA	1.0500000	PRB	1.1004948	PRC	1.0843333	L	.1865635	min	.1549326	max	.2376798		
Si	3.478500	SAB	2.671608	Sf	3.188038	K	.0316310	z	.0442680	m	.0461880		
n	.1616581	gam	39.022490	b-al	15.026038	the	105.02606	phi	129.02251	2-LEVEL THRUST			
N	3.0000000	w1	.2000000	w2	.1400000	w3	.0500000	SF	.1179533	LFr	.9179869		
PRA	1.0600000	PRB	1.0721951	PRC	1.0558577	L	.1995125	min	.1578112	max	.2290114		
Si	3.623433	SAB	2.816970	Sf	3.189051	K	.0417013	z	.0255468	m	.0577350		
n	.1616581	gam	39.022490	b-al	17.235267	the	107.23529	phi	129.02251	2-LEVEL THRUST			
N	3.0000000	w1	.2000000	w2	.1400000	w3	.0600000	SF	.1222715	LFr	.9518528		
PRA	1.0700000	PRB	1.0451548	PRC	1.0374094	L	.2088623	min	.1602708	max	.2199240		
Si	3.726945	SAB	2.942505	Sf	3.190422	K	.0485915	z	.0095797	m	.0692820		
n	.1616581	gam	39.022490	b-al	19.470873	the	109.47089	phi	129.02251	2-LEVEL THRUST			
N	3.0000000	w1	.2000000	w2	.1400000	w3	.0600000	SF	.1222715	LFr	.8925371		
PRA	1.0747419	PRB	1.0239128	PRC	1.1572886	L	.1700401	min	.1602708	max	.2199240		
Si	3.261079	SAB	2.692424	Sf	3.190422	K	.0097693	z	.0432007	m	.0692820		
n	.1616581	gam	39.022490	b-al	19.470873	the	109.47089	phi	129.02251	2-LEVEL THRUST			
N	3.0000000	w1	.2000000	w2	.1500000	w3	.0300000	SF	.1352301	LFr	.8578262		
PRA	1.0393702	PRB	1.1343825	PRC	1.1559110	L	.1753616	min	.1659331	max	.2459377		
Si	3.261082	SAB	2.441225	Sf	3.201044	K	.0094286	z	.0611206	m	.0346410		
n	.1732051	gam	41.810053	b-al	12.839472	the	102.83949	phi	131.81007	2-LEVEL THRUST			
N	3.0000000	w1	.2000000	w2	.1500000	w3	.0400000	SF	.1376324	LFr	.9002934		
PRA	1.0500000	PRB	1.1134902	PRC	1.0958383	L	.1945019	min	.1692222	max	.2376798		
Si	3.478488	SAB	2.623966	Sf	3.201777	K	.0252797	z	.0373932	m	.0461880		
n	.1732051	gam	41.810053	b-al	15.026038	the	105.02606	phi	131.81007	2-LEVEL THRUST			
N	3.0000000	w1	.2000000	w2	.1500000	w3	.0500000	SF	.1410284	LFr	.9377241		
PRA	1.0600000	PRB	1.0859433	PRC	1.0649933	L	.2074509	min	.1721008	max	.2290114		
Si	3.623422	SAB	2.769328	Sf	3.202790	K	.0353500	z	.0186720	m	.0577350		
n	.1732051	gam	41.810053	b-al	17.235267	the	107.23529	phi	131.81007	2-LEVEL THRUST			
N	3.0000000	w1	.2000000	w2	.1600000	w3	.0300000	SF	.1622381	LFr	.8758860		
PRA	1.0375204	PRB	1.1415105	PRC	1.1836055	L	.1840496	min	.1811199	max	.2459377		
Si	3.261089	SAB	2.383072	Sf	3.219764	K	.0029297	z	.0535966	m	.0346410		
n	.1847521	gam	44.724704	b-al	12.839472	the	102.83949	phi	134.72472	2-LEVEL THRUST			

N	3.0000000	wl	.2000000	w2	.1600000	w3	.0400000	SF	.1646404	LFr	.9202280	
PRA	1.0498815	PRB	1.1245446	PRC	1.1137071	L	.2031899	min	.1844090	max	.2376798	
Si	3.478495	SAB	2.571433	Sf	3.220497	K	.0187809	z	.0298692	m	.0461880	
n	.1847521	gam	44.724704	b-al	15.026038	the	105.02606	phi	134.72472	2-LEVEL THRUST		
N	3.0000000	wl	.2200000	w2	.0400000	w3	.0200000	SF	.0098305	LFr	.7989483	
PRA	1.0200000	PRB	.9904390	PRC	1.379838	L	.2144127	min	.0395977	max	.2334140	
Si	4.348115	SAB	3.217883	Sf	3.141603	K	.1748150	z	.0164556	m	.0230940	
n	.0461880	gam	16.260141	b-al	11.536790	the	101.53681	phi	106.26016			
N	3.0000000	wl	.2200000	w2	.0400000	w3	.0200000	SF	.0098305	LFr	.7435865	
PRA	1.0300000	PRB	.9876600	PRC	1.379838	L	.0936318	min	.0395977	max	.2334140	
Si	2.898744	SAB	2.493198	Sf	3.141603	K	.0540340	z	.1210550	m	.0230940	
n	.0461880	gam	16.260141	b-al	11.536790	the	101.53681	phi	106.26016			
N	3.0000000	wl	.2200000	w2	.0500000	w3	.0200000	SF	.0134468	LFr	.8171940	
PRA	1.0200000	PRB	1.0038505	PRC	1.330694	L	.2183418	min	.0485188	max	.2334140	
Si	4.348116	SAB	3.194310	Sf	3.141605	K	.1698230	z	.0130529	m	.0230940	
n	.0577350	gam	18.662907	b-al	11.536790	the	101.53681	phi	108.66293			
N	3.0000000	wl	.2200000	w2	.0500000	w3	.0200000	SF	.0134468	LFr	.7526054	
PRA	1.0300000	PRB	1.0049804	PRC	1.330694	L	.0975609	min	.0485188	max	.2334140	
Si	2.898745	SAB	2.469624	Sf	3.141605	K	.0490421	z	.1176522	m	.0230940	
n	.0577350	gam	18.662907	b-al	11.536790	the	101.53681	phi	108.66293			
N	3.0000000	wl	.2200000	w2	.0500000	w3	.0300000	SF	.0153561	LFr	.8376188	
PRA	1.0300000	PRB	.9840474	PRC	1.318688	L	.2194519	min	.0520320	max	.2253801	
Si	4.348127	SAB	3.265783	Sf	3.141603	K	.1674200	z	.0051340	m	.0346410	
n	.0577350	gam	18.662907	b-al	13.886410	the	103.88643	phi	108.66293			
N	3.0000000	wl	.2200000	w2	.0500000	w3	.0300000	SF	.0153561	LFr	.7822561	
PRA	1.0400000	PRB	.9808624	PRC	1.318688	L	.1288643	min	.0520320	max	.2253801	
Si	3.261076	SAB	2.722257	Sf	3.141603	K	.0768324	z	.0835852	m	.0346410	
n	.0577350	gam	18.662907	b-al	13.886410	the	103.88643	phi	108.66293			
N	3.0000000	wl	.2200000	w2	.0500000	w3	.0300000	SF	.0153561	LFr	.7490397	
PRA	1.0500000	PRB	.9779323	PRC	1.340686	L	.0745144	min	.0520320	max	.2253801	
Si	2.608877	SAB	2.396158	Sf	3.141603	K	.0224825	z	.1306536	m	.0346410	
n	.0577350	gam	18.662907	b-al	13.886410	the	103.88643	phi	108.66293	2-LEVEL THRUST		
N	3.0000000	wl	.2200000	w2	.0600000	w3	.0200000	SF	.0181456	LFr	.8356657	
PRA	1.0200000	PRB	1.0187653	PRC	1.283252	L	.2225781	min	.0579050	max	.2334140	
Si	4.348117	SAB	3.168894	Sf	3.141615	K	.1646730	z	.0093842	m	.0230940	
n	.0692820	gam	21.099817	b-al	11.536790	the	101.53681	phi	111.09984			
N	3.0000000	wl	.2200000	w2	.0600000	w3	.0200000	SF	.0181456	LFr	.7618504	
PRA	1.0300000	PRB	1.0243290	PRC	1.283252	L	.1017971	min	.0579050	max	.2334140	
Si	2.898746	SAB	2.444208	Sf	3.141615	K	.0438921	z	.1139836	m	.0230940	
n	.0692820	gam	21.099817	b-al	11.536790	the	101.53681	phi	111.09984			
N	3.0000000	wl	.2200000	w2	.0600000	w3	.0300000	SF	.0200548	LFr	.8562307	
PRA	1.0300000	PRB	.9963086	PRC	1.275714	L	.2236881	min	.0614182	max	.2253801	
Si	4.348128	SAB	3.240367	Sf	3.141613	K	.1622700	z	.0014653	m	.0346410	
n	.0692820	gam	21.099817	b-al	13.886410	the	103.88643	phi	111.09984			
N	3.0000000	wl	.2200000	w2	.0600000	w3	.0300000	SF	.0200548	LFr	.7939472	
PRA	1.0400000	PRB	.9955647	PRC	1.275714	L	.1331005	min	.0614182	max	.2253801	
Si	3.261077	SAB	2.696841	Sf	3.141613	K	.0716824	z	.0799165	m	.0346410	
n	.0692820	gam	21.099817	b-al	13.886410	the	103.88643	phi	111.09984			
N	3.0000000	wl	.2200000	w2	.0600000	w3	.0300000	SF	.0200548	LFr	.7565785	
PRA	1.0500000	PRB	.9918909	PRC	1.336001	L	.0787487	min	.0614182	max	.2253801	
Si	2.608855	SAB	2.370730	Sf	3.141613	K	.0173306	z	.1269865	m	.0346410	
n	.0692820	gam	21.099817	b-al	13.886410	the	103.88643	phi	111.09984	2-LEVEL THRUST		

N	3.0000000	w1	.2200000	w2	.0600000	w3	.0400000	SF	.0226574	LFr	.8224487
PRA	1.0500000	PRB	.9749086	PRC	1.262888	L	.1521626	min	.0644952	max	.2169101
Si	3.478498	SAB	2.878012	Sf	3.141611	K	.0876674	z	.0560730	m	.0461880
n	.0692820	gam	21.099817	b-al	16.260141	the	106.26016	phi	111.09984		

N	3.0000000	w1	.2200000	w2	.0600000	w3	.0400000	SF	.0226574	LFr	.7855406
PRA	1.0600000	PRB	.9720983	PRC	1.262888	L	.1038494	min	.0644952	max	.2169101
Si	2.898740	SAB	2.588133	Sf	3.141611	K	.0393543	z	.0979134	m	.0461880
n	.0692820	gam	21.099817	b-al	16.260141	the	106.26016	phi	111.09984		

N	3.0000000	w1	.2200000	w2	.0600000	w3	.0400000	SF	.0226574	LFr	.7591772
PRA	1.0653685	PRB	.9629036	PRC	1.376895	L	.0693398	min	.0644952	max	.2169101
Si	2.484624	SAB	2.369566	Sf	3.141611	K	.0048446	z	.1277997	m	.0461880
n	.0692820	gam	21.099817	b-al	16.260141	the	106.26016	phi	111.09984	2-LEVEL THRUST	

N	3.0000000	w1	.2200000	w2	.0700000	w3	.0200000	SF	.0241146	LFr	.8544340
PRA	1.0200000	PRB	1.0346043	PRC	1.2385825	L	.2271519	min	.0677893	max	.2334140
Si	4.348105	SAB	3.141438	Sf	3.141612	K	.1593626	z	.0054231	m	.0230940
n	.0808290	gam	23.577850	b-al	11.536790	the	101.53681	phi	113.57787		

N	3.0000000	w1	.2200000	w2	.0700000	w3	.0200000	SF	.0241146	LFr	.7713909
PRA	1.0300000	PRB	1.0450355	PRC	1.2439111	L	.1063709	min	.0677893	max	.2334140
Si	2.898733	SAB	2.416753	Sf	3.141612	K	.0385816	z	.1100225	m	.0230940
n	.0808290	gam	23.577850	b-al	11.536790	the	101.53681	phi	113.57787	2-LEVEL THRUST	

N	3.0000000	w1	.2200000	w2	.0700000	w3	.0300000	SF	.0260229	LFr	.8059626
PRA	1.0400000	PRB	1.0124525	PRC	1.2335119	L	.1376762	min	.0713024	max	.2253801
Si	3.261088	SAB	2.669397	Sf	3.141610	K	.0663738	z	.0759538	m	.0346410
n	.0808290	gam	23.577850	b-al	13.886410	the	103.88643	phi	113.57787		

N	3.0000000	w1	.2200000	w2	.0700000	w3	.0300000	SF	.0260229	LFr	.7644405
PRA	1.0496883	PRB	1.0058564	PRC	1.333343	L	.0833244	min	.0713024	max	.2253801
Si	2.608866	SAB	2.342473	Sf	3.141610	K	.0120220	z	.1230238	m	.0346410
n	.0808290	gam	23.577850	b-al	13.886410	the	103.88643	phi	113.57787	2-LEVEL THRUST	

N	3.0000000	w1	.2200000	w2	.0700000	w3	.0400000	SF	.0286264	LFr	.8360329
PRA	1.0500000	PRB	.9877143	PRC	1.2253330	L	.1567364	min	.0743794	max	.2169101
Si	3.478485	SAB	2.850556	Sf	3.141608	K	.0823570	z	.0521120	m	.0461880
n	.0808290	gam	23.577850	b-al	16.260141	the	106.26016	phi	113.57787		

N	3.0000000	w1	.2200000	w2	.0700000	w3	.0400000	SF	.0286264	LFr	.7954350
PRA	1.0600000	PRB	.9861033	PRC	1.2441501	L	.1084251	min	.0743794	max	.2169101
Si	2.898750	SAB	2.560689	Sf	3.141608	K	.0340457	z	.0939507	m	.0461880
n	.0808290	gam	23.577850	b-al	16.260141	the	106.26016	phi	113.57787	2-LEVEL THRUST	

N	3.0000000	w1	.2200000	w2	.0700000	w3	.0500000	SF	.0322876	LFr	.8646336
PRA	1.0600000	PRB	.9695343	PRC	1.2119880	L	.1695957	min	.0770053	max	.2079890
Si	3.623420	SAB	2.996457	Sf	3.141610	K	.0925904	z	.0332495	m	.0577350
n	.0808290	gam	23.577850	b-al	18.662906	the	108.66293	phi	113.57787		

N	3.0000000	w1	.2200000	w2	.0700000	w3	.0500000	SF	.0322876	LFr	.8250904
PRA	1.0700000	PRB	.9666541	PRC	1.2119880	L	.1264610	min	.0770053	max	.2079890
Si	3.105803	SAB	2.737649	Sf	3.141610	K	.0494557	z	.0706053	m	.0577350
n	.0808290	gam	23.577850	b-al	18.662906	the	108.66293	phi	113.57787		

N	3.0000000	w1	.2200000	w2	.0700000	w3	.0500000	SF	.0322876	LFr	.7954321
PRA	1.0787134	PRB	.9604911	PRC	1.287712	L	.0941086	min	.0770053	max	.2079890
Si	2.717574	SAB	2.540037	Sf	3.141610	K	.0171033	z	.0986233	m	.0577350
n	.0808290	gam	23.577850	b-al	18.662906	the	108.66293	phi	113.57787	2-LEVEL THRUST	

N	3.0000000	w1	.2200000	w2	.0800000	w3	.0200000	SF	.0315466	LFr	.8735743
PRA	1.0200000	PRB	1.0511382	PRC	1.1969492	L	.2320919	min	.0781933	max	.2334140
Si	4.348120	SAB	3.111813	Sf	3.141610	K	.1538987	z	.0011450	m	.0230940
n	.0923761	gam	26.103604	b-al	11.536790	the	101.53681	phi	116.10363		

N	3.0000000	w1	.2200000	w2	.0800000	w3	.0200000	SF	.0315466	LFr	.7813044
PRA	1.0300000	PRB	1.0654580	PRC	1.2352092	L	.1113110	min	.0781933	max	.2334140
Si	2.898748	SAB	2.387127	Sf	3.141610	K	.0331177	z	.1057443	m	.0230940
n	.0923761	gam	26.103604	b-al	11.536790	the	101.53681	phi	116.10363	2-LEVEL THRUST	

N	3.0000000	w1	.2200000	w2	.0800000	w3	.0300000	SF	.0334559	LFr	.8183766
PRA	1.0400000	PRB	1.0307137	PRC	1.1933853	L	.1426163	min	.0817064	max	.2253801
Si	3.261102	SAB	2.639772	Sf	3.141608	K	.0609099	z	.0716756	m	.0346410
n	.0923761	gam	26.103604	b-al	13.886410	the	103.88643	phi	116.10363		

N	3.0000000	w1	.2200000	w2	.0800000	w3	.0300000	SF	.0334559	LFr	.7727022
PRA	1.0484151	PRB	1.0188359	PRC	1.335134	L	.0882645	min	.0817064	max	.2253801
Si	2.608880	SAB	2.309526	Sf	3.141608	K	.0065581	z	.1187456	m	.0346410
n	.0923761	gam	26.103604	b-al	13.886410	the	103.88643	phi	116.10363	2-LEVEL THRUST	

N	3.0000000	w1	.2200000	w2	.0800000	w3	.0400000	SF	.0360584	LFr	.8500452
PRA	1.0500000	PRB	1.0028876	PRC	1.1878216	L	.1616764	min	.0847834	max	.2169101
Si	3.478500	SAB	2.820931	Sf	3.141606	K	.0768930	z	.0478338	m	.0461880
n	.0923761	gam	26.103604	b-al	16.260141	the	106.26016	phi	116.10363		

N	3.0000000	w1	.2200000	w2	.0800000	w3	.0400000	SF	.0360584	LFr	.8057556
PRA	1.0600000	PRB	1.0009720	PRC	1.2400202	L	.1133633	min	.0847834	max	.2169101
Si	2.898742	SAB	2.531052	Sf	3.141606	K	.0285799	z	.0896742	m	.0461880
n	.0923761	gam	26.103604	b-al	16.260141	the	106.26016	phi	116.10363	2-LEVEL THRUST	

N	3.0000000	w1	.2200000	w2	.0800000	w3	.0500000	SF	.0397206	LFr	.8798056
PRA	1.0600000	PRB	.9807739	PRC	1.1792113	L	.1745358	min	.0874093	max	.2079890
Si	3.623434	SAB	2.966831	Sf	3.141608	K	.0871265	z	.0289714	m	.0577350
n	.0923761	gam	26.103604	b-al	18.662906	the	108.66293	phi	116.10363		

N	3.0000000	w1	.2200000	w2	.0800000	w3	.0500000	SF	.0397206	LFr	.8369656
PRA	1.0700000	PRB	.9788643	PRC	1.1851653	L	.1313992	min	.0874093	max	.2079890
Si	3.105795	SAB	2.708012	Sf	3.141608	K	.0439899	z	.0663287	m	.0577350
n	.0923761	gam	26.103604	b-al	18.662906	the	108.66293	phi	116.10363	2-LEVEL THRUST	

N	3.0000000	w1	.2200000	w2	.0800000	w3	.0500000	SF	.0397206	LFr	.8048353
PRA	1.0769071	PRB	.9689950	PRC	1.294010	L	.0990467	min	.0874093	max	.2079890
Si	2.717566	SAB	2.505491	Sf	3.141608	K	.0116374	z	.0943468	m	.0577350
n	.0923761	gam	26.103604	b-al	18.662906	the	108.66293	phi	116.10363	2-LEVEL THRUST	

N	3.0000000	w1	.2200000	w2	.0800000	w3	.0600000	SF	.0443964	LFr	.9089003
PRA	1.0700000	PRB	.9646072	PRC	1.1655747	L	.1837864	min	.0895701	max	.1986028
Si	3.726961	SAB	3.092976	Sf	3.141618	K	.0942163	z	.0128314	m	.0692820
n	.0923761	gam	26.103604	b-al	21.099817	the	111.09984	phi	116.10363		

N	3.0000000	w1	.2200000	w2	.0800000	w3	.0600000	SF	.0443964	LFr	.8673792
PRA	1.0800000	PRB	.9617247	PRC	1.1655747	L	.1449642	min	.0895701	max	.1986028
Si	3.261095	SAB	2.860043	Sf	3.141618	K	.0553941	z	.0464524	m	.0692820
n	.0923761	gam	26.103604	b-al	21.099817	the	111.09984	phi	116.10363		

N	3.0000000	w1	.2200000	w2	.0800000	w3	.0600000	SF	.0443964	LFr	.8350849
PRA	1.0894047	PRB	.9564908	PRC	1.2268754	L	.1147690	min	.0895701	max	.1986028
Si	2.898752	SAB	2.677146	Sf	3.141618	K	.0251989	z	.0726022	m	.0692820
n	.0923761	gam	26.103604	b-al	21.099817	the	111.09984	phi	116.10363	2-LEVEL THRUST	

N	3.0000000	w1	.2200000	w2	.0800000	w3	.0600000	SF	.0443964	LFr	.8092489
PRA	1.0855402	PRB	.9469619	PRC	1.329046	L	.0906124	min	.0895701	max	.1986028
Si	2.608873	SAB	2.496208	Sf	3.141618	K	.0010423	z	.0935225	m	.0692820
n	.0923761	gam	26.103604	b-al	21.099817	the	111.09984	phi	116.10363	2-LEVEL THRUST	

N	3.0000000	w1	.2200000	w2	.0900000	w3	.0200000	SF	.0406628	LFr	.7916746
PRA	1.0300000	PRB	1.0845843	PRC	1.2299250	L	.1166477	min	.0891499	max	.2334140
Si	2.898746	SAB	2.355105	Sf	3.141609	K	.0274979	z	.1011226	m	.0230940
n	.1039231	gam	28.685167	b-al	11.536790	the	101.53681	phi	118.68519	2-LEVEL THRUST	

N	3.0000000	wl	.2200000	w2	.0900000	w3	.0300000	SF	.0425711	LFr	.8312760
PRA	1.0400000	PRB	1.0500233	PRC	1.1557561	L	.1479511	min	.0926630	max	.2253801
Si	3.261078	SAB	2.607738	Sf	3.141607	K	.0552881	z	.0670555	m	.0346410
n	.1039231	gam	28.685167	b-al	13.886410	the	103.88643	phi	118.68519		
N	3.0000000	wl	.2200000	w2	.0900000	w3	.0300000	SF	.0425711	LFr	.7814512
PRA	1.0457608	PRB	1.0298718	PRC	1.343483	L	.0936012	min	.0926630	max	.2253801
Si	2.608879	SAB	2.270579	Sf	3.141607	K	.0009382	z	.1141239	m	.0346410
n	.1039231	gam	28.685167	b-al	13.886410	the	103.88643	phi	118.68519	2-LEVEL THRUST	
N	3.0000000	wl	.2200000	w2	.0900000	w3	.0400000	SF	.0451746	LFr	.8645754
PRA	1.0500000	PRB	1.0195366	PRC	1.1518154	L	.1670132	min	.0957400	max	.2169101
Si	3.478498	SAB	2.788908	Sf	3.141605	K	.0712732	z	.0432120	m	.0461880
n	.1039231	gam	28.685167	b-al	16.260141	the	106.26016	phi	118.68519		
N	3.0000000	wl	.2200000	w2	.0900000	w3	.0400000	SF	.0451746	LFr	.8165941
PRA	1.0600272	PRB	1.0151591	PRC	1.2383190	L	.1187000	min	.0957400	max	.2169101
Si	2.898740	SAB	2.499108	Sf	3.141605	K	.0229601	z	.0850524	m	.0461880
n	.1039231	gam	28.685167	b-al	16.260141	the	106.26016	phi	118.68519	2-LEVEL THRUST	
N	3.0000000	wl	.2200000	w2	.0900000	w3	.0500000	SF	.0488358	LFr	.8955240
PRA	1.0600000	PRB	.9945666	PRC	1.1459056	L	.1798725	min	.0983659	max	.2079890
Si	3.623433	SAB	2.934809	Sf	3.141607	K	.0815066	z	.0243496	m	.0577350
n	.1039231	gam	28.685167	b-al	18.662906	the	108.66293	phi	118.68519		
N	3.0000000	wl	.2200000	w2	.0900000	w3	.0500000	SF	.0488358	LFr	.8493891
PRA	1.0700000	PRB	.9929713	PRC	1.1823082	L	.1367359	min	.0983659	max	.2079890
Si	3.105793	SAB	2.675990	Sf	3.141607	K	.0383700	z	.0617070	m	.0577350
n	.1039231	gam	28.685167	b-al	18.662906	the	108.66293	phi	118.68519	2-LEVEL THRUST	
N	3.0000000	wl	.2200000	w2	.0900000	w3	.0500000	SF	.0488358	LFr	.8147869
PRA	1.0738795	PRB	.9783884	PRC	1.302510	L	.1043835	min	.0983659	max	.2079890
Si	2.717564	SAB	2.465241	Sf	3.141607	K	.0060176	z	.0897250	m	.0577350
n	.1039231	gam	28.685167	b-al	18.662906	the	108.66293	phi	118.68519	2-LEVEL THRUST	
N	3.0000000	wl	.2200000	w2	.0900000	w3	.0600000	SF	.0535116	LFr	.9255686
PRA	1.0700000	PRB	.9744672	PRC	1.1370350	L	.1891232	min	.1005267	max	.1986028
Si	3.726959	SAB	3.060954	Sf	3.141617	K	.0885964	z	.0082096	m	.0692820
n	.1039231	gam	28.685167	b-al	21.099817	the	111.09984	phi	118.68519		
N	3.0000000	wl	.2200000	w2	.0900000	w3	.0600000	SF	.0535116	LFr	.8810816
PRA	1.0800000	PRB	.9723944	PRC	1.1424260	L	.1503010	min	.1005267	max	.1986028
Si	3.261093	SAB	2.828021	Sf	3.141617	K	.0497743	z	.0418306	m	.0692820
n	.1039231	gam	28.685167	b-al	21.099817	the	111.09984	phi	118.68519	2-LEVEL THRUST	
N	3.0000000	wl	.2200000	w2	.0900000	w3	.0600000	SF	.0535116	LFr	.8464813
PRA	1.0882131	PRB	.9640833	PRC	1.2335596	L	.1201058	min	.1005267	max	.1986028
Si	2.898750	SAB	2.641670	Sf	3.141617	K	.0195790	z	.0679805	m	.0692820
n	.1039231	gam	28.685167	b-al	21.099817	the	111.09984	phi	118.68519	2-LEVEL THRUST	
N	3.0000000	wl	.2200000	w2	.0900000	w3	.0700000	SF	.0594788	LFr	.9126177
PRA	1.0900000	PRB	.9571888	PRC	1.1232914	L	.1608296	min	.1021894	max	.1887185
Si	3.381867	SAB	2.963746	Sf	3.141614	K	.0586401	z	.0241526	m	.0808291
n	.1039231	gam	28.685167	b-al	23.577850	the	113.57787	phi	118.68519		
N	3.0000000	wl	.2200000	w2	.0900000	w3	.0700000	SF	.0594788	LFr	.8781691
PRA	1.0994044	PRB	.9522887	PRC	1.1812427	L	.1326466	min	.1021894	max	.1887185
Si	3.043671	SAB	2.792833	Sf	3.141614	K	.0304571	z	.0485598	m	.0808291
n	.1039231	gam	28.685167	b-al	23.577850	the	113.57787	phi	118.68519	2-LEVEL THRUST	
N	3.0000000	wl	.2200000	w2	.0900000	w3	.0700000	SF	.0594788	LFr	.8499851
PRA	1.0991313	PRB	.9442421	PRC	1.266886	L	.1095886	min	.1021894	max	.1887185
Si	2.766976	SAB	2.626225	Sf	3.141614	K	.0073992	z	.0685285	m	.0808291
n	.1039231	gam	28.685167	b-al	23.577850	the	113.57787	phi	118.68519	2-LEVEL THRUST	

N	3.0000000	w1	.2200000	w2	.1000000	w3	.0200000	SF	.0517025	LFr	.8026028		
PRA	1.0300000	PRB	1.1021438	PRC	1.2284071	L	.1224232	min	.1006996	max	.2334140		
Si	2.898740	SAB	2.320445	Sf	3.141608	K	.0217236	z	.0961209	m	.0230940		
n	.1154701	gam	31.332067	b-al	11.536790	the	101.53681	phi	121.33209	2-LEVEL THRUST			
N	3.0000000	w1	.2200000	w2	.1000000	w3	.0300000	SF	.0536108	LFr	.8447685		
PRA	1.0400000	PRB	1.0699292	PRC	1.1411470	L	.1537285	min	.1042128	max	.2253801		
Si	3.261094	SAB	2.573090	Sf	3.141605	K	.0495157	z	.0620521	m	.0346410		
n	.1154701	gam	31.332067	b-al	13.886410	the	103.88643	phi	121.33209	2-LEVEL THRUST			
N	3.0000000	w1	.2200000	w2	.1000000	w3	.0400000	SF	.0562143	LFr	.8797302		
PRA	1.0500000	PRB	1.0372976	PRC	1.1178520	L	.1727886	min	.1072898	max	.2169101		
Si	3.478491	SAB	2.754249	Sf	3.141603	K	.0654989	z	.0382103	m	.0461880		
n	.1154701	gam	31.332067	b-al	16.260141	the	106.26016	phi	121.33209				
N	3.0000000	w1	.2200000	w2	.1000000	w3	.0400000	SF	.0562143	LFr	.8280583		
PRA	1.0597157	PRB	1.0284189	PRC	1.2399975	L	.1244755	min	.1072898	max	.2169101		
Si	2.898733	SAB	2.463545	Sf	3.141603	K	.0171857	z	.0800507	m	.0461880		
n	.1154701	gam	31.332067	b-al	16.260141	the	106.26016	phi	121.33209	2-LEVEL THRUST			
N	3.0000000	w1	.2200000	w2	.1000000	w3	.0500000	SF	.0598765	LFr	.9119024		
PRA	1.0600000	PRB	1.0099465	PRC	1.1136445	L	.1856480	min	.1099156	max	.2079890		
Si	3.623426	SAB	2.900150	Sf	3.141605	K	.0757323	z	.0193479	m	.0577350		
n	.1154701	gam	31.332067	b-al	18.662906	the	108.66293	phi	121.33209				
N	3.0000000	w1	.2200000	w2	.1000000	w3	.0500000	SF	.0598765	LFr	.8624716		
PRA	1.0700000	PRB	1.0069141	PRC	1.1812355	L	.1425114	min	.1099156	max	.2079890		
Si	3.105787	SAB	2.641330	Sf	3.141605	K	.0325957	z	.0567053	m	.0577350		
n	.1154701	gam	31.332067	b-al	18.662906	the	108.66293	phi	121.33209	2-LEVEL THRUST			
N	3.0000000	w1	.2200000	w2	.1000000	w3	.0500000	SF	.0598765	LFr	.8254004		
PRA	1.0689609	PRB	.9869522	PRC	1.316855	L	.1101608	min	.1099156	max	.2079890		
Si	2.717580	SAB	2.417227	Sf	3.141605	K	.0002452	z	.0847217	m	.0577350		
n	.1154701	gam	31.332067	b-al	18.662906	the	108.66293	phi	121.33209	2-LEVEL THRUST			
N	3.0000000	w1	.2200000	w2	.1000000	w3	.0600000	SF	.0645523	LFr	.9429302		
PRA	1.0700000	PRB	.9870645	PRC	1.1075183	L	.1948986	min	.1120765	max	.1986028		
Si	3.726952	SAB	3.026295	Sf	3.141615	K	.0828221	z	.0032079	m	.0692820		
n	.1154701	gam	31.332067	b-al	21.099817	the	111.09984	phi	121.33209				
N	3.0000000	w1	.2200000	w2	.1000000	w3	.0600000	SF	.0645523	LFr	.8954773		
PRA	1.0800000	PRB	.9850576	PRC	1.1417319	L	.1560764	min	.1120765	max	.1986028		
Si	3.261086	SAB	2.793362	Sf	3.141615	K	.0440000	z	.0368289	m	.0692820		
n	.1154701	gam	31.332067	b-al	21.099817	the	111.09984	phi	121.33209	2-LEVEL THRUST			
N	3.0000000	w1	.2200000	w2	.1000000	w3	.0600000	SF	.0645523	LFr	.8585692		
PRA	1.0861807	PRB	.9732467	PRC	1.2409948	L	.1258812	min	.1120765	max	.1986028		
Si	2.898743	SAB	2.601118	Sf	3.141615	K	.0138047	z	.0629788	m	.0692820		
n	.1154701	gam	31.332067	b-al	21.099817	the	111.09984	phi	121.33209	2-LEVEL THRUST			
N	3.0000000	w1	.2200000	w2	.1000000	w3	.0700000	SF	.0705185	LFr	.9281311		
PRA	1.0900000	PRB	.9663708	PRC	1.1098814	L	.1666050	min	.1137392	max	.1887185		
Si	3.381860	SAB	2.929087	Sf	3.141612	K	.0528658	z	.0191509	m	.0808291		
n	.1154701	gam	31.332067	b-al	23.577850	the	113.57787	phi	121.33209	2-LEVEL THRUST			
N	3.0000000	w1	.2200000	w2	.1000000	w3	.0700000	SF	.0705185	LFr	.8915320		
PRA	1.0983264	PRB	.9587401	PRC	1.1894465	L	.1384239	min	.1137392	max	.1887185		
Si	3.043687	SAB	2.754906	Sf	3.141612	K	.0246847	z	.0435564	m	.0808291		
n	.1154701	gam	31.332067	b-al	23.577850	the	113.57787	phi	121.33209	2-LEVEL THRUST			
N	3.0000000	w1	.2200000	w2	.1000000	w3	.0700000	SF	.0705185	LFr	.8615866		
PRA	1.0931056	PRB	.9474828	PRC	1.287716	L	.1153660	min	.1137392	max	.1887185		
Si	2.766992	SAB	2.574906	Sf	3.141612	K	.0016268	z	.0635252	m	.0808291		
n	.1154701	gam	31.332067	b-al	23.577850	the	113.57787	phi	121.33209	2-LEVEL THRUST			

N	3.0000000	w1	.2200000	w2	.1000000	w3	.0800000	SF	.0779619	LFr	.9610453
PRA	1.1000000	PRB	.9529753	PRC	1.0848162	L	.1749668	min	.1148822	max	.1783145
Si	3.478502	SAB	3.053680	Sf	3.141610	K	.0600846	z	.0028992	m	.0923761
n	.1154701	gam	31.332067	b-al	26.103603	the	116.10363	phi	121.33209		
N	3.0000000	w1	.2200000	w2	.1000000	w3	.0800000	SF	.0779619	LFr	.9248057
PRA	1.1091677	PRB	.9480343	PRC	1.1454903	L	.1486130	min	.1148822	max	.1783145
Si	3.162256	SAB	2.892923	Sf	3.141610	K	.0337308	z	.0257223	m	.0923761
n	.1154701	gam	31.332067	b-al	26.103603	the	116.10363	phi	121.33209	2-LEVEL THRUST	
N	3.0000000	w1	.2200000	w2	.1000000	w3	.0800000	SF	.0779619	LFr	.8946095
PRA	1.1100981	PRB	.9408267	PRC	1.2208716	L	.1266537	min	.1148822	max	.1783145
Si	2.898744	SAB	2.735097	Sf	3.141610	K	.0117715	z	.0447396	m	.0923761
n	.1154701	gam	31.332067	b-al	26.103603	the	116.10363	phi	121.33209	2-LEVEL THRUST	
N	3.0000000	w1	.2200000	w2	.1100000	w3	.0200000	SF	.0649490	LFr	.8142147
PRA	1.0300000	PRB	1.1175030	PRC	1.2314685	L	.1286888	min	.1128922	max	.2334140
Si	2.898750	SAB	2.282862	Sf	3.141606	K	.0157967	z	.0906947	m	.0230940
n	.1270171	gam	34.055671	b-al	11.536790	the	101.53681	phi	124.05569	2-LEVEL THRUST	
N	3.0000000	w1	.2200000	w2	.1100000	w3	.0300000	SF	.0668574	LFr	.8589821
PRA	1.0400000	PRB	1.0892146	PRC	1.1375621	L	.1599922	min	.1164053	max	.2253801
Si	3.261082	SAB	2.535495	Sf	3.141603	K	.0435869	z	.0566276	m	.0346410
n	.1270171	gam	34.055671	b-al	13.886410	the	103.88643	phi	124.05569	2-LEVEL THRUST	
N	3.0000000	w1	.2200000	w2	.1100000	w3	.0400000	SF	.0694609	LFr	.8956461
PRA	1.0500000	PRB	1.0560231	PRC	1.0950689	L	.1790543	min	.1194823	max	.2169101
Si	3.478502	SAB	2.716666	Sf	3.141602	K	.0595720	z	.0327841	m	.0461880
n	.1270171	gam	34.055671	b-al	16.260141	the	106.26016	phi	124.05569	2-LEVEL THRUST	
N	3.0000000	w1	.2200000	w2	.1100000	w3	.0400000	SF	.0694609	LFr	.8402834
PRA	1.0585651	PRB	1.0403775	PRC	1.2464463	L	.1307411	min	.1194823	max	.2169101
Si	2.898744	SAB	2.422627	Sf	3.141602	K	.0112588	z	.0746245	m	.0461880
n	.1270171	gam	34.055671	b-al	16.260141	the	106.26016	phi	124.05569	2-LEVEL THRUST	
N	3.0000000	w1	.2200000	w2	.1100000	w3	.0500000	SF	.0731230	LFr	.9290791
PRA	1.0600000	PRB	1.0265093	PRC	1.0830611	L	.1919136	min	.1221082	max	.2079890
Si	3.623437	SAB	2.862567	Sf	3.141603	K	.0698054	z	.0139217	m	.0577350
n	.1270171	gam	34.055671	b-al	18.662906	the	108.66293	phi	124.05569		
N	3.0000000	w1	.2200000	w2	.1100000	w3	.0500000	SF	.0731230	LFr	.8763523
PRA	1.0699933	PRB	1.0201172	PRC	1.1827858	L	.1487770	min	.1221082	max	.2079890
Si	3.105797	SAB	2.603726	Sf	3.141603	K	.0266688	z	.0512791	m	.0577350
n	.1270171	gam	34.055671	b-al	18.662906	the	108.66293	phi	124.05569	2-LEVEL THRUST	
N	3.0000000	w1	.2200000	w2	.1100000	w3	.0600000	SF	.0777979	LFr	.9107056
PRA	1.0800000	PRB	.9978865	PRC	1.1424287	L	.1623402	min	.1242690	max	.1986028
Si	3.261074	SAB	2.755767	Sf	3.141613	K	.0380712	z	.0314044	m	.0692820
n	.1270171	gam	34.055671	b-al	21.099817	the	111.09984	phi	124.05569	2-LEVEL THRUST	
N	3.0000000	w1	.2200000	w2	.1100000	w3	.0600000	SF	.0777979	LFr	.8714905
PRA	1.0829015	PRB	.9821919	PRC	1.252370	L	.1321449	min	.1242690	max	.1986028
Si	2.898731	SAB	2.554017	Sf	3.141613	K	.0078759	z	.0575542	m	.0692820
n	.1270171	gam	34.055671	b-al	21.099817	the	111.09984	phi	124.05569	2-LEVEL THRUST	
N	3.0000000	w1	.2200000	w2	.1100000	w3	.0700000	SF	.0837650	LFr	.9445181
PRA	1.0900000	PRB	.9773996	PRC	1.1116202	L	.1728706	min	.1259317	max	.1887185
Si	3.381871	SAB	2.891503	Sf	3.141610	K	.0469389	z	.0137247	m	.0808291
n	.1270171	gam	34.055671	b-al	23.577850	the	113.57787	phi	124.05569	2-LEVEL THRUST	
N	3.0000000	w1	.2200000	w2	.1100000	w3	.0700000	SF	.0837650	LFr	.9057636
PRA	1.0965009	PRB	.9670353	PRC	1.1980079	L	.1446877	min	.1259317	max	.1887185
Si	3.043675	SAB	2.711754	Sf	3.141610	K	.0187559	z	.0381319	m	.0808291
n	.1270171	gam	34.055671	b-al	23.577850	the	113.57787	phi	124.05569	2-LEVEL THRUST	

N	3.0000000	w1	.2200000	w2	.1200000	w3	.0200000	SF	.0807390	LFr	.8266697		
PRA	1.0299733	PRB	1.1297588	PRC	1.2403733	L	.1355019	min	.1257893	max	.2334140		
Si	2.898732	SAB	2.241887	Sf	3.141607	K	.0097126	z	.0847944	m	.0230940		
n	.1385641	gam	36.869821	b-al	11.536790	the	101.53681	phi	126.86984	2-LEVEL THRUST			
N	3.0000000	w1	.2200000	w2	.1200000	w3	.0300000	SF	.0826473	LFr	.8740807		
PRA	1.0400000	PRB	1.1074859	PRC	1.1371316	L	.1668072	min	.1293024	max	.2253801		
Si	3.261086	SAB	2.494610	Sf	3.141605	K	.0375048	z	.0507257	m	.0346410		
n	.1385641	gam	36.869821	b-al	13.886410	the	103.88643	phi	126.86984	2-LEVEL THRUST			
N	3.0000000	w1	.2200000	w2	.1200000	w3	.0400000	SF	.0852509	LFr	.9124842		
PRA	1.0500000	PRB	1.0745332	PRC	1.0926545	L	.1858673	min	.1323794	max	.2169101		
Si	3.478484	SAB	2.675769	Sf	3.141603	K	.0534879	z	.0268838	m	.0461880		
n	.1385641	gam	36.869821	b-al	16.260141	the	106.26016	phi	126.86984	2-LEVEL THRUST			
N	3.0000000	w1	.2200000	w2	.1200000	w3	.0400000	SF	.0852509	LFr	.8534327		
PRA	1.0561827	PRB	1.0505940	PRC	1.259166	L	.1375561	min	.1323794	max	.2169101		
Si	2.898749	SAB	2.374836	Sf	3.141603	K	.0051767	z	.0687226	m	.0461880		
n	.1385641	gam	36.869821	b-al	16.260141	the	106.26016	phi	126.86984	2-LEVEL THRUST			
N	3.0000000	w1	.2200000	w2	.1200000	w3	.0500000	SF	.0889120	LFr	.9472208		
PRA	1.0600000	PRB	1.0440301	PRC	1.0664256	L	.1987286	min	.1350053	max	.2079890		
Si	3.623441	SAB	2.821682	Sf	3.141605	K	.0637233	z	.0080198	m	.0577350		
n	.1385641	gam	36.869821	b-al	18.662906	the	108.66293	phi	126.86984	2-LEVEL THRUST			
N	3.0000000	w1	.2200000	w2	.1200000	w3	.0500000	SF	.0889120	LFr	.8911991		
PRA	1.0695136	PRB	1.0323054	PRC	1.1881583	L	.1555920	min	.1350053	max	.2079890		
Si	3.105802	SAB	2.561351	Sf	3.141605	K	.0205867	z	.0453772	m	.0577350		
n	.1385641	gam	36.869821	b-al	18.662906	the	108.66293	phi	126.86984	2-LEVEL THRUST			
N	3.0000000	w1	.2200000	w2	.1200000	w3	.0600000	SF	.0935879	LFr	.9269438		
PRA	1.0799853	PRB	1.0102444	PRC	1.1454694	L	.1691551	min	.1371662	max	.1986028		
Si	3.261079	SAB	2.714833	Sf	3.141615	K	.0319890	z	.0255025	m	.0692820		
n	.1385641	gam	36.869821	b-al	21.099817	the	111.09984	phi	126.86984	2-LEVEL THRUST			
N	3.0000000	w1	.2200000	w2	.1200000	w3	.0600000	SF	.0935879	LFr	.8854227		
PRA	1.0777802	PRB	.9900492	PRC	1.270147	L	.1389599	min	.1371662	max	.1986028		
Si	2.898736	SAB	2.498287	Sf	3.141615	K	.0017938	z	.0516523	m	.0692820		
n	.1385641	gam	36.869821	b-al	21.099817	the	111.09984	phi	126.86984	2-LEVEL THRUST			
N	3.0000000	w1	.2200000	w2	.1300000	w3	.0200000	SF	.0994749	LFr	.8401556		
PRA	1.0290554	PRB	1.1394305	PRC	1.256351	L	.1429443	min	.1394694	max	.2334140		
Si	2.898746	SAB	2.194587	Sf	3.141605	K	.0034750	z	.0783490	m	.0230940		
n	.1501111	gam	39.791782	b-al	11.536790	the	101.53681	phi	129.79180	2-LEVEL THRUST			
N	3.0000000	w1	.2200000	w2	.1300000	w3	.0300000	SF	.1013842	LFr	.8902559		
PRA	1.0400000	PRB	1.1246556	PRC	1.1401791	L	.1742477	min	.1429825	max	.2253801		
Si	3.261078	SAB	2.449958	Sf	3.141603	K	.0312652	z	.0442819	m	.0346410		
n	.1501111	gam	39.791782	b-al	13.886410	the	103.88643	phi	129.79180	2-LEVEL THRUST			
N	3.0000000	w1	.2200000	w2	.1300000	w3	.0400000	SF	.1039868	LFr	.9304505		
PRA	1.0500000	PRB	1.0924508	PRC	1.0929670	L	.1933098	min	.1460595	max	.2169101		
Si	3.478498	SAB	2.631129	Sf	3.141601	K	.0472503	z	.0204385	m	.0461880		
n	.1501111	gam	39.791782	b-al	16.260141	the	106.26016	phi	129.79180	2-LEVEL THRUST			
N	3.0000000	w1	.2200000	w2	.1300000	w3	.0500000	SF	.1076489	LFr	.9665356		
PRA	1.0600000	PRB	1.0613711	PRC	1.0658682	L	.2061691	min	.1486854	max	.2079890		
Si	3.623433	SAB	2.777030	Sf	3.141603	K	.0574837	z	.0015760	m	.0577350		
n	.1501111	gam	39.791782	b-al	18.662906	the	108.66293	phi	129.79180	2-LEVEL THRUST			
N	3.0000000	w1	.2200000	w2	.1300000	w3	.0500000	SF	.1076489	LFr	.9072189		
PRA	1.0681961	PRB	1.0434957	PRC	1.1982189	L	.1630325	min	.1486854	max	.2079890		
Si	3.105793	SAB	2.512606	Sf	3.141603	K	.0143472	z	.0389334	m	.0577350		
n	.1501111	gam	39.791782	b-al	18.662906	the	108.66293	phi	129.79180	2-LEVEL THRUST			

N	3.0000000	wl	.2200000	w2	.1400000	w3	.0300000	SF	.1235533	LFr	.9077654
PRA	1.0400000	PRB	1.1402210	PRC	1.1475640	L	.1824131	min	.1575449	max	.2253801
Si	3.261081	SAB	2.400969	Sf	3.141612	K	.0248682	z	.0372105	m	.0346410
n	.1616581	gam	42.843321	b-al	13.886410	the	103.88643	phi	132.84334	2-LEVEL THRUST	
N	3.0000000	wl	.2200000	w2	.1400000	w3	.0400000	SF	.1261568	LFr	.9498053
PRA	1.0500000	PRB	1.1095115	PRC	1.0965810	L	.2014752	min	.1606219	max	.2169101
Si	3.478501	SAB	2.582139	Sf	3.141610	K	.0408533	z	.0133671	m	.0461880
n	.1616581	gam	42.843321	b-al	16.260141	the	106.26016	phi	132.84334	2-LEVEL THRUST	
N	3.0000000	wl	.2200000	w2	.1500000	w3	.0300000	SF	.1497965	LFr	.9269447
PRA	1.0400000	PRB	1.1535594	PRC	1.1604611	L	.1914368	min	.1731284	max	.2253801
Si	3.261084	SAB	2.346831	Sf	3.141610	K	.0183084	z	.0293958	m	.0346410
n	.1732051	gam	46.054220	b-al	13.886410	the	103.88643	phi	136.05424	2-LEVEL THRUST	
N	3.0000000	wl	.2400000	w2	.0400000	w3	.0200000	SF	.0107823	LFr	.7920981
PRA	1.0300000	PRB	.9873300	PRC	1.460230	L	.1044541	min	.0400576	max	.2129619
Si	2.898732	SAB	2.428252	Sf	3.139014	K	.0643965	z	.0939706	m	.0230940
n	.0461880	gam	17.718849	b-al	12.555675	the	102.55570	phi	107.71887		
N	3.0000000	wl	.2400000	w2	.0400000	w3	.0200000	SF	.0107823	LFr	.7644177
PRA	1.0389545	PRB	.9799280	PRC	1.552266	L	.0440636	min	.0400576	max	.2129619
Si	2.174046	SAB	2.063636	Sf	3.139014	K	.0040060	z	.1462703	m	.0230940
n	.0461880	gam	17.718849	b-al	12.555675	the	102.55570	phi	107.71887	2-LEVEL THRUST	
N	3.0000000	wl	.2400000	w2	.0500000	w3	.0200000	SF	.0147743	LFr	.8020973
PRA	1.0300000	PRB	1.0051175	PRC	1.405169	L	.1085835	min	.0492832	max	.2129619
Si	2.898735	SAB	2.403479	Sf	3.137998	K	.0593002	z	.0903944	m	.0230940
n	.0577350	gam	20.354386	b-al	12.555675	the	102.55570	phi	110.35441		
N	3.0000000	wl	.2400000	w2	.0500000	w3	.0300000	SF	.0168715	LFr	.8327179
PRA	1.0400000	PRB	.9803894	PRC	1.391724	L	.1398087	min	.0525895	max	.2047211
Si	3.261082	SAB	2.656597	Sf	3.137487	K	.0872192	z	.0562158	m	.0346410
n	.0577350	gam	20.354386	b-al	15.121537	the	105.12156	phi	110.35441		
N	3.0000000	wl	.2400000	w2	.0500000	w3	.0300000	SF	.0168715	LFr	.7995005
PRA	1.0500000	PRB	.9776452	PRC	1.391724	L	.0854569	min	.0525895	max	.2047211
Si	2.608860	SAB	2.330486	Sf	3.137487	K	.0328674	z	.1032859	m	.0346410
n	.0577350	gam	20.354386	b-al	15.121537	the	105.12156	phi	110.35441		
N	3.0000000	wl	.2400000	w2	.0600000	w3	.0200000	SF	.0199795	LFr	.8123751
PRA	1.0300000	PRB	1.0250212	PRC	1.352179	L	.1130657	min	.0590319	max	.2129619
Si	2.898741	SAB	2.376591	Sf	3.136649	K	.0540338	z	.0865127	m	.0230940
n	.0692820	gam	23.035286	b-al	12.555675	the	102.55570	phi	113.03531		
N	3.0000000	wl	.2400000	w2	.0600000	w3	.0300000	SF	.0220766	LFr	.8454723
PRA	1.0400000	PRB	.9954514	PRC	1.343746	L	.1442909	min	.0623381	max	.2047211
Si	3.261088	SAB	2.629710	Sf	3.136138	K	.0819528	z	.0523341	m	.0346410
n	.0692820	gam	23.035286	b-al	15.121537	the	105.12156	phi	113.03531		
N	3.0000000	wl	.2400000	w2	.0600000	w3	.0300000	SF	.0220766	LFr	.8081026
PRA	1.0500000	PRB	.9943254	PRC	1.369178	L	.0899391	min	.0623381	max	.2047211
Si	2.608866	SAB	2.303599	Sf	3.136138	K	.0276010	z	.0994041	m	.0346410
n	.0692820	gam	23.035286	b-al	15.121537	the	105.12156	phi	113.03531	2-LEVEL THRUST	
N	3.0000000	wl	.2400000	w2	.0600000	w3	.0400000	SF	.0249615	LFr	.8750210
PRA	1.0500000	PRB	.9743144	PRC	1.329422	L	.1632595	min	.0651622	max	.1959982
Si	3.478491	SAB	2.811424	Sf	3.135404	K	.0980974	z	.0283525	m	.0461880
n	.0692820	gam	23.035286	b-al	17.718849	the	107.71887	phi	113.03531		
N	3.0000000	wl	.2400000	w2	.0600000	w3	.0400000	SF	.0249615	LFr	.8381128
PRA	1.0600000	PRB	.9713615	PRC	1.329422	L	.1149464	min	.0651622	max	.1959982
Si	2.898733	SAB	2.521545	Sf	3.135404	K	.0497842	z	.0701929	m	.0461880
n	.0692820	gam	23.035286	b-al	17.718849	the	107.71887	phi	113.03531		

N	3.0000000	wl	.2400000	w2	.0600000	w3	.0400000	SF	.0249615	LFr	.8117504
PRA	1.0693545	PRB	.9654005	PRC	1.404204	L	.0804386	min	.0651622	max	.1959982
Si	2.484640	SAB	2.312894	Sf	3.135404	K	.0152765	z	.1000775	m	.0461880
n	.0692820	gam	23.035286	b-al	17.718849	the	107.71887	phi	113.03531	2-LEVEL THRUST	
N	3.0000000	wl	.2400000	w2	.0700000	w3	.0200000	SF	.0266209	LFr	.8230171
PRA	1.0300000	PRB	1.0463107	PRC	1.302409	L	.1179390	min	.0693435	max	.2129619
Si	2.898739	SAB	2.347349	Sf	3.134860	K	.0485955	z	.0822923	m	.0230940
n	.0808290	gam	25.771112	b-al	12.555675	the	102.55570	phi	115.77113		
N	3.0000000	wl	.2400000	w2	.0700000	w3	.0300000	SF	.0287170	LFr	.8586197
PRA	1.0400000	PRB	1.0127827	PRC	1.296735	L	.1491642	min	.0726497	max	.2047211
Si	3.261086	SAB	2.600468	Sf	3.134349	K	.0765145	z	.0481137	m	.0346410
n	.0808290	gam	25.771112	b-al	15.121537	the	105.12156	phi	115.77113		
N	3.0000000	wl	.2400000	w2	.0700000	w3	.0300000	SF	.0287170	LFr	.8170977
PRA	1.0500000	PRB	1.0114973	PRC	1.362461	L	.0948124	min	.0726497	max	.2047211
Si	2.608864	SAB	2.274357	Sf	3.134349	K	.0221627	z	.0951838	m	.0346410
n	.0808290	gam	25.771112	b-al	15.121537	the	105.12156	phi	115.77113	2-LEVEL THRUST	
N	3.0000000	wl	.2400000	w2	.0700000	w3	.0400000	SF	.0316019	LFr	.8897762
PRA	1.0500000	PRB	.9874125	PRC	1.287596	L	.1681328	min	.0754738	max	.1959982
Si	3.478489	SAB	2.782182	Sf	3.133615	K	.0926590	z	.0241321	m	.0461880
n	.0808290	gam	25.771112	b-al	17.718849	the	107.71887	phi	115.77113		
N	3.0000000	wl	.2400000	w2	.0700000	w3	.0400000	SF	.0316019	LFr	.8491764
PRA	1.0600000	PRB	.9859484	PRC	1.287596	L	.1198197	min	.0754738	max	.1959982
Si	2.898731	SAB	2.492303	Sf	3.133615	K	.0443459	z	.0659726	m	.0461880
n	.0808290	gam	25.771112	b-al	17.718849	the	107.71887	phi	115.77113		
N	3.0000000	wl	.2400000	w2	.0700000	w3	.0400000	SF	.0316019	LFr	.8201790
PRA	1.0678131	PRB	.9762598	PRC	1.407924	L	.0853119	min	.0754738	max	.1959982
Si	2.484638	SAB	2.279822	Sf	3.133615	K	.0098381	z	.0958571	m	.0461880
n	.0808290	gam	25.771112	b-al	17.718849	the	107.71887	phi	115.77113	2-LEVEL THRUST	
N	3.0000000	wl	.2400000	w2	.0700000	w3	.0500000	SF	.0356360	LFr	.9195080
PRA	1.0600000	PRB	.9688296	PRC	1.272715	L	.1808891	min	.0777952	max	.1867725
Si	3.623440	SAB	2.928717	Sf	3.132598	K	.1030940	z	.0050952	m	.0577350
n	.0808290	gam	25.771112	b-al	20.354385	the	110.35441	phi	115.77113		
N	3.0000000	wl	.2400000	w2	.0700000	w3	.0500000	SF	.0356360	LFr	.8799629
PRA	1.0700000	PRB	.9658079	PRC	1.272715	L	.1377525	min	.0777952	max	.1867725
Si	3.105801	SAB	2.669898	Sf	3.132598	K	.0599574	z	.0424526	m	.0577350
n	.0808290	gam	25.771112	b-al	20.354385	the	110.35441	phi	115.77113		
N	3.0000000	wl	.2400000	w2	.0700000	w3	.0500000	SF	.0356360	LFr	.8503046
PRA	1.0800504	PRB	.9617721	PRC	1.315516	L	.1054001	min	.0777952	max	.1867725
Si	2.717572	SAB	2.475920	Sf	3.132598	K	.0276049	z	.0704706	m	.0577350
n	.0808290	gam	25.771112	b-al	20.354385	the	110.35441	phi	115.77113	2-LEVEL THRUST	
N	3.0000000	wl	.2400000	w2	.0700000	w3	.0500000	SF	.0356360	LFr	.8272362
PRA	1.0800752	PRB	.9516666	PRC	1.430660	L	.0802364	min	.0777952	max	.1867725
Si	2.415608	SAB	2.300825	Sf	3.132598	K	.0024413	z	.0922630	m	.0577350
n	.0808290	gam	25.771112	b-al	20.354385	the	110.35441	phi	115.77113	2-LEVEL THRUST	
N	3.0000000	wl	.2400000	w2	.0800000	w3	.0200000	SF	.0349321	LFr	.8341198
PRA	1.0300000	PRB	1.0687493	PRC	1.265804	L	.1232414	min	.0802510	max	.2129619
Si	2.898754	SAB	2.315550	Sf	3.132539	K	.0429904	z	.0777002	m	.0230940
n	.0923761	gam	28.571587	b-al	12.555675	the	102.55570	phi	118.57161	2-LEVEL THRUST	
N	3.0000000	wl	.2400000	w2	.0800000	w3	.0300000	SF	.0370283	LFr	.8722582
PRA	1.0400000	PRB	1.0315640	PRC	1.252101	L	.1544647	min	.0835573	max	.2047211
Si	3.261078	SAB	2.568657	Sf	3.132028	K	.0709075	z	.0435233	m	.0346410
n	.0923761	gam	28.571587	b-al	15.121537	the	105.12156	phi	118.57161		

N	3.0000000	w1	.2400000	w2	.0800000	w3	.0300000	SF	.0370283	LFr	.8265848
PRA	1.0500209	PRB	1.0273346	PRC	1.359446	L	.1001129	min	.0835573	max	.2047211
Si	2.608856	SAB	2.242599	Sf	3.132028	K	.0165557	z	.0905934	m	.0346410
n	.0923761	gam	28.571587	b-al	15.121537	the	105.12156	phi	118.57161	2-LEVEL THRUST	

N	3.0000000	w1	.2400000	w2	.0800000	w3	.0400000	SF	.0399132	LFr	.9050551
PRA	1.0500000	PRB	1.0029617	PRC	1.2458733	L	.1734352	min	.0863813	max	.1959982
Si	3.478504	SAB	2.750382	Sf	3.131294	K	.0870539	z	.0195401	m	.0461880
n	.0923761	gam	28.571587	b-al	17.718849	the	107.71887	phi	118.57161		

N	3.0000000	w1	.2400000	w2	.0800000	w3	.0400000	SF	.0399132	LFr	.8607645
PRA	1.0600000	PRB	1.0029683	PRC	1.268857	L	.1251221	min	.0863813	max	.1959982
Si	2.898746	SAB	2.460503	Sf	3.131294	K	.0387408	z	.0613805	m	.0461880
n	.0923761	gam	28.571587	b-al	17.718849	the	107.71887	phi	118.57161	2-LEVEL THRUST	

N	3.0000000	w1	.2400000	w2	.0800000	w3	.0400000	SF	.0399132	LFr	.8291292
PRA	1.0649632	PRB	.9874042	PRC	1.415144	L	.0906124	min	.0863813	max	.1959982
Si	2.484630	SAB	2.240930	Sf	3.131294	K	.0042311	z	.0912667	m	.0461880
n	.0923761	gam	28.571587	b-al	17.718849	the	107.71887	phi	118.57161	2-LEVEL THRUST	

N	3.0000000	w1	.2400000	w2	.0800000	w3	.0500000	SF	.0439472	LFr	.9359875
PRA	1.0600000	PRB	.9803098	PRC	1.2362512	L	.1861897	min	.0887027	max	.1867725
Si	3.623433	SAB	2.896907	Sf	3.130278	K	.0974870	z	.0005048	m	.0577350
n	.0923761	gam	28.571587	b-al	20.354385	the	110.35441	phi	118.57161		

N	3.0000000	w1	.2400000	w2	.0800000	w3	.0500000	SF	.0439472	LFr	.8931475
PRA	1.0700000	PRB	.9783780	PRC	1.2362512	L	.1430531	min	.0887027	max	.1867725
Si	3.105793	SAB	2.638087	Sf	3.130278	K	.0543504	z	.0378622	m	.0577350
n	.0923761	gam	28.571587	b-al	20.354385	the	110.35441	phi	118.57161		

N	3.0000000	w1	.2400000	w2	.0800000	w3	.0500000	SF	.0439472	LFr	.8610172
PRA	1.0796051	PRB	.9721735	PRC	1.318056	L	.1107006	min	.0887027	max	.1867725
Si	2.717564	SAB	2.442898	Sf	3.130278	K	.0219979	z	.0658802	m	.0577350
n	.0923761	gam	28.571587	b-al	20.354385	the	110.35441	phi	118.57161	2-LEVEL THRUST	

N	3.0000000	w1	.2400000	w2	.0800000	w3	.0600000	SF	.0491352	LFr	.9248133
PRA	1.0800000	PRB	.9607752	PRC	1.2210563	L	.1564999	min	.0905010	max	.1770239
Si	3.261076	SAB	2.790811	Sf	3.128929	K	.0659989	z	.0177743	m	.0692820
n	.0923761	gam	28.571587	b-al	23.035286	the	113.03531	phi	118.57161		

N	3.0000000	w1	.2400000	w2	.0800000	w3	.0600000	SF	.0491352	LFr	.8925190
PRA	1.0900000	PRB	.9574085	PRC	1.252328	L	.1263046	min	.0905010	max	.1770239
Si	2.898733	SAB	2.609640	Sf	3.128929	K	.0358036	z	.0439242	m	.0692820
n	.0923761	gam	28.571587	b-al	23.035286	the	113.03531	phi	118.57161	2-LEVEL THRUST	

N	3.0000000	w1	.2400000	w2	.0800000	w3	.0600000	SF	.0491352	LFr	.8666830
PRA	1.0945695	PRB	.9493114	PRC	1.345014	L	.1021481	min	.0905010	max	.1770239
Si	2.608855	SAB	2.450531	Sf	3.128929	K	.0116470	z	.0648444	m	.0692820
n	.0923761	gam	28.571587	b-al	23.035286	the	113.03531	phi	118.57161	2-LEVEL THRUST	

N	3.0000000	w1	.2400000	w2	.0900000	w3	.0200000	SF	.0451756	LFr	.8457928
PRA	1.0300000	PRB	1.0907328	PRC	1.257947	L	.1290169	min	.0918013	max	.2129619
Si	2.898742	SAB	2.280885	Sf	3.129566	K	.0372156	z	.0726985	m	.0230940
n	.1039231	gam	31.448751	b-al	12.555675	the	102.55570	phi	121.44877	2-LEVEL THRUST	

N	3.0000000	w1	.2400000	w2	.0900000	w3	.0300000	SF	.0472717	LFr	.8865061
PRA	1.0400000	PRB	1.0514789	PRC	1.2102728	L	.1602421	min	.0951075	max	.2047211
Si	3.261089	SAB	2.534004	Sf	3.129055	K	.0651346	z	.0385200	m	.0346410
n	.1039231	gam	31.448751	b-al	15.121537	the	105.12156	phi	121.44877		

N	3.0000000	w1	.2400000	w2	.0900000	w3	.0300000	SF	.0472717	LFr	.8366804
PRA	1.0494983	PRB	1.0415907	PRC	1.361431	L	.1058903	min	.0951075	max	.2047211
Si	2.608868	SAB	2.206583	Sf	3.129055	K	.0107828	z	.0855900	m	.0346410
n	.1039231	gam	31.448751	b-al	15.121537	the	105.12156	phi	121.44877	2-LEVEL THRUST	

N	3.0000000	wl	.2400000	w2	.0900000	w3	.0400000	SF	.0501576	LFr	.9209766		
PRA	1.0500000	PRB	1.0200631	PRC	1.2058450	L	.1792107	min	.0979315	max	.1959982		
Si	3.478492	SAB	2.715717	Sf	3.128321	K	.0812792	z	.0145384	m	.0461880		
n	.1039231	gam	31.448751	b-al	17.718849	the	107.71887	phi	121.44877				
N	3.0000000	wl	.2400000	w2	.0900000	w3	.0400000	SF	.0501576	LFr	.8729954		
PRA	1.0600000	PRB	1.0198925	PRC	1.264431	L	.1308975	min	.0979315	max	.1959982		
Si	2.898735	SAB	2.425839	Sf	3.128321	K	.0329660	z	.0563788	m	.0461880		
n	.1039231	gam	31.448751	b-al	17.718849	the	107.71887	phi	121.44877	2-LEVEL THRUST			
N	3.0000000	wl	.2400000	w2	.0900000	w3	.0500000	SF	.0541916	LFr	.9070139		
PRA	1.0700000	PRB	.9939003	PRC	1.2085952	L	.1488304	min	.1002529	max	.1867725		
Si	3.105805	SAB	2.603434	Sf	3.127305	K	.0485775	z	.0328588	m	.0577350		
n	.1039231	gam	31.448751	b-al	20.354385	the	110.35441	phi	121.44877	2-LEVEL THRUST			
N	3.0000000	wl	.2400000	w2	.0900000	w3	.0500000	SF	.0541916	LFr	.8724117		
PRA	1.0784762	PRB	.9836343	PRC	1.321872	L	.1164780	min	.1002529	max	.1867725		
Si	2.717575	SAB	2.405178	Sf	3.127305	K	.0162251	z	.0608769	m	.0577350		
n	.1039231	gam	31.448751	b-al	20.354385	the	110.35441	phi	121.44877	2-LEVEL THRUST			
N	3.0000000	wl	.2400000	w2	.0900000	w3	.0600000	SF	.0593786	LFr	.9400110		
PRA	1.0800000	PRB	.9716436	PRC	1.1892924	L	.1622772	min	.1020513	max	.1770239		
Si	3.261087	SAB	2.756158	Sf	3.125956	K	.0602260	z	.0127710	m	.0692820		
n	.1039231	gam	31.448751	b-al	23.035286	the	113.03531	phi	121.44877				
N	3.0000000	wl	.2400000	w2	.0900000	w3	.0600000	SF	.0593786	LFr	.9054098		
PRA	1.0899065	PRB	.9664309	PRC	1.256270	L	.1320820	min	.1020513	max	.1770239		
Si	2.898744	SAB	2.574715	Sf	3.125956	K	.0300308	z	.0389208	m	.0692820		
n	.1039231	gam	31.448751	b-al	23.035286	the	113.03531	phi	121.44877	2-LEVEL THRUST			
N	3.0000000	wl	.2400000	w2	.0900000	w3	.0600000	SF	.0593786	LFr	.8777285		
PRA	1.0905066	PRB	.9549894	PRC	1.360877	L	.1079254	min	.1020513	max	.1770239		
Si	2.608866	SAB	2.405279	Sf	3.125956	K	.0058742	z	.0598410	m	.0692820		
n	.1039231	gam	31.448751	b-al	23.035286	the	113.03531	phi	121.44877	2-LEVEL THRUST			
N	3.0000000	wl	.2400000	w2	.0900000	w3	.0700000	SF	.0660143	LFr	.9385014		
PRA	1.1000000	PRB	.9527765	PRC	1.2039424	L	.1444950	min	.1032866	max	.1667122		
Si	3.043677	SAB	2.723563	Sf	3.124167	K	.0412084	z	.0192407	m	.0808291		
n	.1039231	gam	31.448751	b-al	25.771112	the	115.77113	phi	121.44877	2-LEVEL THRUST			
N	3.0000000	wl	.2400000	w2	.0900000	w3	.0700000	SF	.0660143	LFr	.9103184		
PRA	1.1059241	PRB	.9457304	PRC	1.283421	L	.1214371	min	.1032866	max	.1667122		
Si	2.766982	SAB	2.573937	Sf	3.124167	K	.0181505	z	.0392094	m	.0808291		
n	.1039231	gam	31.448751	b-al	25.771112	the	115.77113	phi	121.44877	2-LEVEL THRUST			
N	3.0000000	wl	.2400000	w2	.1000000	w3	.0200000	SF	.0576620	LFr	.8581715		
PRA	1.0300000	PRB	1.1115220	PRC	1.253736	L	.1353264	min	.1040529	max	.2129619		
Si	2.898732	SAB	2.243018	Sf	3.125769	K	.0312735	z	.0672344	m	.0230940		
n	.1154701	gam	34.417214	b-al	12.555675	the	102.55570	phi	124.41724	2-LEVEL THRUST			
N	3.0000000	wl	.2400000	w2	.1000000	w3	.0300000	SF	.0597591	LFr	.9015007		
PRA	1.0400000	PRB	1.0724329	PRC	1.1713008	L	.1665516	min	.1073591	max	.2047211		
Si	3.261079	SAB	2.496136	Sf	3.125258	K	.0591925	z	.0330558	m	.0346410		
n	.1154701	gam	34.417214	b-al	15.121537	the	105.12156	phi	124.41724				
N	3.0000000	wl	.2400000	w2	.1000000	w3	.0300000	SF	.0597591	LFr	.8475218		
PRA	1.0477853	PRB	1.0539586	PRC	1.370111	L	.1121998	min	.1073591	max	.2047211		
Si	2.608857	SAB	2.164246	Sf	3.125258	K	.0048407	z	.0801258	m	.0346410		
n	.1154701	gam	34.417214	b-al	15.121537	the	105.12156	phi	124.41724	2-LEVEL THRUST			
N	3.0000000	wl	.2400000	w2	.1000000	w3	.0400000	SF	.0626440	LFr	.9376850		
PRA	1.0500000	PRB	1.0383617	PRC	1.1680614	L	.1855202	min	.1101831	max	.1959982		
Si	3.478482	SAB	2.677850	Sf	3.124524	K	.0753371	z	.0090742	m	.0461880		
n	.1154701	gam	34.417214	b-al	17.718849	the	107.71887	phi	124.41724				

N	3.0000000	wl	.2400000	w2	.1000000	w3	.0400000	SF	.0626440	LFr	.8860159
PRA	1.0600000	PRB	1.0359649	PRC	1.263012	L	.1372089	min	.1101831	max	.1959982
Si	2.898747	SAB	2.387983	Sf	3.124524	K	.0270258	z	.0509130	m	.0461880
n	.1154701	gam	34.417214	b-al	17.718849	the	107.71887	phi	124.41724	2-LEVEL THRUST	

N	3.0000000	wl	.2400000	w2	.1000000	w3	.0500000	SF	.0666781	LFr	.9217062
PRA	1.0700000	PRB	1.0099887	PRC	1.2054321	L	.1551399	min	.1125045	max	.1867725
Si	3.105794	SAB	2.565566	Sf	3.123507	K	.0426354	z	.0273947	m	.0577350
n	.1154701	gam	34.417214	b-al	20.354385	the	110.35441	phi	124.41724	2-LEVEL THRUST	

N	3.0000000	wl	.2400000	w2	.1000000	w3	.0500000	SF	.0666781	LFr	.8846331
PRA	1.0763139	PRB	.9948056	PRC	1.329624	L	.1227875	min	.1125045	max	.1867725
Si	2.717565	SAB	2.361433	Sf	3.123507	K	.0102830	z	.0554127	m	.0577350
n	.1154701	gam	34.417214	b-al	20.354385	the	110.35441	phi	124.41724	2-LEVEL THRUST	

N	3.0000000	wl	.2400000	w2	.1000000	w3	.0600000	SF	.0718660	LFr	.9560757
PRA	1.0800000	PRB	.9855669	PRC	1.1653946	L	.1685867	min	.1143028	max	.1770239
Si	3.261077	SAB	2.718290	Sf	3.122159	K	.0542839	z	.0073068	m	.0692820
n	.1154701	gam	34.417214	b-al	23.035286	the	113.03531	phi	124.41724	2-LEVEL THRUST	

N	3.0000000	wl	.2400000	w2	.1000000	w3	.0600000	SF	.0718660	LFr	.9191675
PRA	1.0892200	PRB	.9771502	PRC	1.260493	L	.1383915	min	.1143028	max	.1770239
Si	2.898734	SAB	2.534856	Sf	3.122159	K	.0240887	z	.0334566	m	.0692820
n	.1154701	gam	34.417214	b-al	23.035286	the	113.03531	phi	124.41724	2-LEVEL THRUST	

N	3.0000000	wl	.2400000	w2	.1100000	w3	.0200000	SF	.0727701	LFr	.8714333
PRA	1.0300000	PRB	1.1307608	PRC	1.253691	L	.1422463	min	.1170806	max	.2129619
Si	2.898752	SAB	2.201520	Sf	3.120929	K	.0251657	z	.0612416	m	.0230940
n	.1270171	gam	37.495121	b-al	12.555675	the	102.55570	phi	127.49514	2-LEVEL THRUST	

N	3.0000000	wl	.2400000	w2	.1100000	w3	.0300000	SF	.0748663	LFr	.9174214
PRA	1.0400000	PRB	1.0938897	PRC	1.1621275	L	.1734696	min	.1203868	max	.2047211
Si	3.261077	SAB	2.454627	Sf	3.120418	K	.0530828	z	.0270647	m	.0346410
n	.1270171	gam	37.495121	b-al	15.121537	the	105.12156	phi	127.49514	2-LEVEL THRUST	

N	3.0000000	wl	.2400000	w2	.1100000	w3	.0400000	SF	.0777521	LFr	.9553690
PRA	1.0500000	PRB	1.0577267	PRC	1.1326938	L	.1924400	min	.1232108	max	.1959982
Si	3.478503	SAB	2.636352	Sf	3.119684	K	.0692292	z	.0030814	m	.0461880
n	.1270171	gam	37.495121	b-al	17.718849	the	107.71887	phi	127.49514		

N	3.0000000	wl	.2400000	w2	.1100000	w3	.0400000	SF	.0777521	LFr	.9000063
PRA	1.0599951	PRB	1.0504034	PRC	1.265732	L	.1441269	min	.1232108	max	.1959982
Si	2.898745	SAB	2.346458	Sf	3.119684	K	.0209161	z	.0449218	m	.0461880
n	.1270171	gam	37.495121	b-al	17.718849	the	107.71887	phi	127.49514	2-LEVEL THRUST	

N	3.0000000	wl	.2400000	w2	.1100000	w3	.0500000	SF	.0817852	LFr	.9374180
PRA	1.0700000	PRB	1.0256237	PRC	1.2047082	L	.1620579	min	.1255322	max	.1867725
Si	3.105792	SAB	2.524057	Sf	3.118667	K	.0365257	z	.0214035	m	.0577350
n	.1270171	gam	37.495121	b-al	20.354385	the	110.35441	phi	127.49514	2-LEVEL THRUST	

N	3.0000000	wl	.2400000	w2	.1100000	w3	.0500000	SF	.0817852	LFr	.8978729
PRA	1.0726015	PRB	1.0046879	PRC	1.343869	L	.1297054	min	.1255322	max	.1867725
Si	2.717563	SAB	2.309835	Sf	3.118667	K	.0041732	z	.0494216	m	.0577350
n	.1270171	gam	37.495121	b-al	20.354385	the	110.35441	phi	127.49514	2-LEVEL THRUST	

N	3.0000000	wl	.2400000	w2	.1200000	w3	.0200000	SF	.0909662	LFr	.8857985
PRA	1.0300000	PRB	1.1479771	PRC	1.258585	L	.1498661	min	.1309814	max	.2129619
Si	2.898741	SAB	2.155790	Sf	3.114743	K	.0188848	z	.0546426	m	.0230940
n	.1385641	gam	40.705626	b-al	12.555675	the	102.55570	phi	130.70565	2-LEVEL THRUST	

N	3.0000000	wl	.2400000	w2	.1200000	w3	.0300000	SF	.0930624	LFr	.9345045
PRA	1.0400000	PRB	1.1148431	PRC	1.1596234	L	.1810913	min	.1342876	max	.2047211
Si	3.261089	SAB	2.408908	Sf	3.114231	K	.0468038	z	.0204640	m	.0346410
n	.1385641	gam	40.705626	b-al	15.121537	the	105.12156	phi	130.70565	2-LEVEL THRUST	

N	3.0000000	w1	.2400000	w2	.1200000	w3	.0400000	SF	.0959473	LFr	.9152107
PRA	1.0593255	PRB	1.0629960	PRC	1.274143	L	.1517468	min	.1371116	max	.1959982
Si	2.898734	SAB	2.298787	Sf	3.113497	K	.0146352	z	.0383229	m	.0461880
n	.1385641	gam	40.705626	b-al	17.718849	the	107.71887	phi	130.70565	2-LEVEL THRUST	

N	3.0000000	w1	.2400000	w2	.1300000	w3	.0200000	SF	.1128292	LFr	.9015551
PRA	1.0300000	PRB	1.1624811	PRC	1.269557	L	.1583157	min	.1458840	max	.2129619
Si	2.898748	SAB	2.105099	Sf	3.106780	K	.0124317	z	.0473251	m	.0230940
n	.1501111	gam	44.079178	b-al	12.555675	the	102.55570	phi	134.07920	2-LEVEL THRUST	

N	3.0000000	w1	.2400000	w2	.1300000	w3	.0300000	SF	.1149254	LFr	.9530392
PRA	1.0400000	PRB	1.1348853	PRC	1.1606555	L	.1895409	min	.1491902	max	.2047211
Si	3.261095	SAB	2.358217	Sf	3.106269	K	.0403507	z	.0131465	m	.0346410
n	.1501111	gam	44.079178	b-al	15.121537	the	105.12156	phi	134.07920	2-LEVEL THRUST	

N	4.0000000	w1	.0600000	w2	.0400000	w3	.0200000	SF	.0142574	LFr	.2986536
PRA	1.0100000	PRB	.9732969	PRC	.9603794	L	.0936642	min	.0512674	max	.3869856
Si	4.322148	SAB	3.682330	Sf	3.243561	K	.0423968	z	.2074096	m	.0282843
n	.0565685	gam	9.830318	b-al	7.004632	the	97.004655	phi	99.830342		

N	4.0000000	w1	.0800000	w2	.0400000	w3	.0200000	SF	.0125494	LFr	.3724651
PRA	1.0100000	PRB	.9728273	PRC	.9841244	L	.1016216	min	.0514211	max	.3668223
Si	4.322173	SAB	3.618697	Sf	3.199694	K	.0502006	z	.1875252	m	.0282843
n	.0565685	gam	10.339847	b-al	7.365781	the	97.365804	phi	100.33987		

N	4.0000000	w1	.0800000	w2	.0500000	w3	.0200000	SF	.0172882	LFr	.3835488
PRA	1.0100000	PRB	.9806052	PRC	.9650103	L	.1056309	min	.0633868	max	.3668223
Si	4.322207	SAB	3.586657	Sf	3.227792	K	.0422441	z	.1846902	m	.0282843
n	.0707107	gam	11.836985	b-al	7.365781	the	97.365804	phi	101.83701		

N	4.0000000	w1	.0800000	w2	.0500000	w3	.0300000	SF	.0197201	LFr	.5088959
PRA	1.0100000	PRB	.9731831	PRC	.9599238	L	.2400303	min	.0660914	max	.3553848
Si	6.483286	SAB	4.727288	Sf	3.239447	K	.1739389	z	.0815680	m	.0424264
n	.0707107	gam	11.836985	b-al	8.849800	the	98.849823	phi	101.83701		

N	4.0000000	w1	.0800000	w2	.0600000	w3	.0200000	SF	.0236044	LFr	.3944349
PRA	1.0100000	PRB	.9900573	PRC	.9503664	L	.1097946	min	.0756169	max	.3668223
Si	4.322162	SAB	3.553302	Sf	3.272466	K	.0341777	z	.1817460	m	.0282843
n	.0848528	gam	13.342119	b-al	7.365781	the	97.365804	phi	103.34214		

N	4.0000000	w1	.0800000	w2	.0600000	w3	.0300000	SF	.0260363	LFr	.5336237
PRA	1.0100000	PRB	.9782890	PRC	.9481085	L	.2441979	min	.0783216	max	.3553848
Si	6.483303	SAB	4.693964	Sf	3.284120	K	.1658763	z	.0786211	m	.0424264
n	.0848528	gam	13.342119	b-al	8.849800	the	98.849823	phi	103.34214		

N	4.0000000	w1	.0800000	w2	.0600000	w3	.0400000	SF	.0293322	LFr	.4262581
PRA	1.0200000	PRB	.9581991	PRC	.9437968	L	.1083489	min	.0807641	max	.3436852
Si	4.322176	SAB	3.674377	Sf	3.302278	K	.0275847	z	.1664080	m	.0565686
n	.0848528	gam	13.342119	b-al	10.339847	the	100.33987	phi	103.34214		

N	4.0000000	w1	.1000000	w2	.0400000	w3	.0200000	SF	.0116510	LFr	.4431028
PRA	1.0100000	PRB	.9723402	PRC	1.0171984	L	.1095924	min	.0515921	max	.3466417
Si	4.322207	SAB	3.554964	Sf	3.178927	K	.0580004	z	.1676191	m	.0282843
n	.0565685	gam	10.905430	b-al	7.766312	the	97.766335	phi	100.90545		

N	4.0000000	w1	.1000000	w2	.0500000	w3	.0200000	SF	.0159588	LFr	.4550600
PRA	1.0100000	PRB	.9802513	PRC	.9927726	L	.1136646	min	.0636677	max	.3466417
Si	4.322193	SAB	3.522372	Sf	3.195258	K	.0499969	z	.1647397	m	.0282843
n	.0707107	gam	12.486886	b-al	7.766312	the	97.766335	phi	102.48691		

N	4.0000000	w1	.1000000	w2	.0500000	w3	.0300000	SF	.0182133	LFr	.5812874
PRA	1.0100000	PRB	.9728149	PRC	.9859619	L	.2480316	min	.0662947	max	.3351266
Si	6.483283	SAB	4.663274	Sf	3.202693	K	.1817369	z	.0615854	m	.0424264
n	.0707107	gam	12.486886	b-al	9.332330	the	99.332353	phi	102.48691		

N	4.0000000	w1	.1000000	w2	.0600000	w3	.0200000	SF	.0215912	LFr	.4668436
PRA	1.0100000	PRB	.9898724	PRC	.9704879	L	.1179085	min	.0760239	max	.3466417
Si	4.322195	SAB	3.488423	Sf	3.218953	K	.0418846	z	.1617388	m	.0282843
n	.0848528	gam	14.077758	b-al	7.766312	the	97.766335	phi	104.07778		

N	4.0000000	w1	.1000000	w2	.0600000	w3	.0300000	SF	.0238447	LFr	.6069193
PRA	1.0100000	PRB	.9779858	PRC	.9667829	L	.2522755	min	.0786509	max	.3351266
Si	6.483285	SAB	4.629325	Sf	3.226387	K	.1736246	z	.0585846	m	.0424264
n	.0848528	gam	14.077758	b-al	9.332330	the	99.332353	phi	104.07778		

N	4.0000000	w1	.1000000	w2	.0600000	w3	.0400000	SF	.0268688	LFr	.5004711
PRA	1.0200000	PRB	.9574543	PRC	.9600796	L	.1163883	min	.0810000	max	.3233335
Si	4.322166	SAB	3.610051	Sf	3.237557	K	.0353883	z	.1463324	m	.0565686
n	.0848528	gam	14.077758	b-al	10.905430	the	100.90545	phi	104.07778		

N	4.0000000	w1	.1000000	w2	.0700000	w3	.0200000	SF	.0288372	LFr	.4784975
PRA	1.0100000	PRB	1.0004845	PRC	.9521002	L	.1223393	min	.0886848	max	.3466417
Si	4.322156	SAB	3.452938	Sf	3.253646	K	.0336544	z	.1586058	m	.0282843
n	.0989950	gam	15.680121	b-al	7.766312	the	97.766335	phi	105.68014	2-LEVEL THRUST	
N	4.0000000	w1	.1000000	w2	.0700000	w3	.0300000	SF	.0310917	LFr	.6324453
PRA	1.0100000	PRB	.9846980	PRC	.9501014	L	.2567082	min	.0913119	max	.3351266
Si	6.483276	SAB	4.593855	Sf	3.261080	K	.1653963	z	.0554502	m	.0424264
n	.0989950	gam	15.680121	b-al	9.332330	the	99.332353	phi	105.68014		
N	4.0000000	w1	.1000000	w2	.0700000	w3	.0400000	SF	.0341148	LFr	.5123701
PRA	1.0200000	PRB	.9628737	PRC	.9507144	L	.1208229	min	.0936609	max	.3233335
Si	4.322188	SAB	3.574597	Sf	3.272250	K	.0271620	z	.1431966	m	.0565686
n	.0989950	gam	15.680121	b-al	10.905430	the	100.90545	phi	105.68014	2-LEVEL THRUST	
N	4.0000000	w1	.1000000	w2	.0700000	w3	.0500000	SF	.0385161	LFr	.6139994
PRA	1.0200000	PRB	.9571403	PRC	.9405570	L	.1874237	min	.0957277	max	.3112581
Si	5.402703	SAB	4.177054	Sf	3.288580	K	.0916961	z	.0875641	m	.0707107
n	.0989950	gam	15.680121	b-al	12.486886	the	102.48691	phi	105.68014		
N	4.0000000	w1	.1000000	w2	.0800000	w3	.0200000	SF	.0380221	LFr	.4900694
PRA	1.0100000	PRB	1.0111702	PRC	.9572813	L	.1269646	min	.1016471	max	.3466417
Si	4.322166	SAB	3.415945	Sf	3.306547	K	.0253175	z	.1553352	m	.0282843
n	.1131371	gam	17.295137	b-al	7.766312	the	97.766335	phi	107.29516	2-LEVEL THRUST	
N	4.0000000	w1	.1000000	w2	.0800000	w3	.0300000	SF	.0402756	LFr	.6579075
PRA	1.0100000	PRB	.9922826	PRC	.9387207	L	.2613335	min	.1042741	max	.3351266
Si	6.483286	SAB	4.556863	Sf	3.313982	K	.1570594	z	.0521796	m	.0424264
n	.1131371	gam	17.295137	b-al	9.332330	the	99.332353	phi	107.29516		
N	4.0000000	w1	.1000000	w2	.0800000	w3	.0400000	SF	.0432997	LFr	.5242233
PRA	1.0200000	PRB	.9681412	PRC	.9708753	L	.1254482	min	.1066232	max	.3233335
Si	4.322197	SAB	3.537604	Sf	3.325151	K	.0188250	z	.1399260	m	.0565686
n	.1131371	gam	17.295137	b-al	10.905430	the	100.90545	phi	107.29516	2-LEVEL THRUST	
N	4.0000000	w1	.1000000	w2	.0800000	w3	.0500000	SF	.0476999	LFr	.6328993
PRA	1.0200000	PRB	.9608662	PRC	.9343488	L	.1920490	min	.1086899	max	.3112581
Si	5.402713	SAB	4.140061	Sf	3.341482	K	.0833591	z	.0842935	m	.0707107
n	.1131371	gam	17.295137	b-al	12.486886	the	102.48691	phi	107.29516		
N	4.0000000	w1	.1000000	w2	.0800000	w3	.0600000	SF	.0532866	LFr	.7565632
PRA	1.0200000	PRB	.9571476	PRC	.9294230	L	.2585430	min	.1104757	max	.2989017
Si	6.483280	SAB	4.743425	Sf	3.365177	K	.1480673	z	.0285379	m	.0848528
n	.1131371	gam	17.295137	b-al	14.077758	the	104.07778	phi	107.29516		
N	4.0000000	w1	.1000000	w2	.0800000	w3	.0600000	SF	.0532866	LFr	.5639515
PRA	1.0282837	PRB	.9410955	PRC	.9782115	L	.1234741	min	.1104757	max	.2989017
Si	4.322178	SAB	3.655455	Sf	3.365177	K	.0129984	z	.1240461	m	.0848528
n	.1131371	gam	17.295137	b-al	14.077758	the	104.07778	phi	107.29516	2-LEVEL THRUST	
N	4.0000000	w1	.1200000	w2	.0400000	w3	.0200000	SF	.0112105	LFr	.5105677
PRA	1.0100000	PRB	.9718340	PRC	1.0559853	L	.1175747	min	.0517837	max	.3264411
Si	4.322174	SAB	3.491072	Sf	3.166861	K	.0657910	z	.1476909	m	.0282843
n	.0565685	gam	11.536921	b-al	8.213082	the	98.213105	phi	101.53694		
N	4.0000000	w1	.1200000	w2	.0500000	w3	.0200000	SF	.0153141	LFr	.5234156
PRA	1.0100000	PRB	.9798831	PRC	1.0275796	L	.1217232	min	.0639818	max	.3264411
Si	4.322195	SAB	3.457906	Sf	3.177377	K	.0577414	z	.1447574	m	.0282843
n	.0707107	gam	13.212954	b-al	8.213082	the	98.213105	phi	103.21298		
N	4.0000000	w1	.1200000	w2	.0500000	w3	.0300000	SF	.0174828	LFr	.6505261
PRA	1.0100000	PRB	.9724356	PRC	1.0194186	L	.2560520	min	.0665213	max	.3148384
Si	6.483266	SAB	4.599094	Sf	3.182382	K	.1895307	z	.0415683	m	.0424264
n	.0707107	gam	13.212954	b-al	9.870816	the	99.870839	phi	103.21298		

N	4.0000000	wl	.1200000	w2	.0600000	w3	.0200000	SF	.0206432	LFr	.5361042
PRA	1.0100000	PRB	.9896796	PRC	1.0006046	L	.1260548	min	.0764823	max	.3264411
Si	4.322173	SAB	3.423231	Sf	3.192074	K	.0495725	z	.1416946	m	.0282843
n	.0848528	gam	14.900327	b-al	8.213082	the	98.213105	phi	104.90035		

N	4.0000000	wl	.1200000	w2	.0600000	w3	.0300000	SF	.0228119	LFr	.6770859
PRA	1.0100000	PRB	.9776730	PRC	.9958394	L	.2603874	min	.0790218	max	.3148384
Si	6.483305	SAB	4.564450	Sf	3.197079	K	.1813657	z	.0385027	m	.0424264
n	.0848528	gam	14.900327	b-al	9.870816	the	99.870839	phi	104.90035		

N	4.0000000	wl	.1200000	w2	.0600000	w3	.0400000	SF	.0257082	LFr	.5715666
PRA	1.0200000	PRB	.9566797	PRC	.9874403	L	.1244564	min	.0812669	max	.3029415
Si	4.322163	SAB	3.545504	Sf	3.204460	K	.0431895	z	.1262080	m	.0565686
n	.0848528	gam	14.900327	b-al	11.536921	the	101.53694	phi	104.90035		

N	4.0000000	wl	.1200000	w2	.0700000	w3	.0200000	SF	.0274305	LFr	.5486946
PRA	1.0100000	PRB	1.0004939	PRC	.9763307	L	.1305924	min	.0893055	max	.3264411
Si	4.322201	SAB	3.386958	Sf	3.212417	K	.0412868	z	.1384860	m	.0282843
n	.0989950	gam	16.601296	b-al	8.213082	the	98.213105	phi	106.60132		

N	4.0000000	wl	.1200000	w2	.0700000	w3	.0300000	SF	.0295992	LFr	.7035608
PRA	1.0100000	PRB	.9844760	PRC	.9734423	L	.2649231	min	.0918450	max	.3148384
Si	6.483302	SAB	4.528162	Sf	3.217423	K	.1730781	z	.0352955	m	.0424264
n	.0989950	gam	16.601296	b-al	9.870816	the	99.870839	phi	106.60132		

N	4.0000000	wl	.1200000	w2	.0700000	w3	.0400000	SF	.0324946	LFr	.5844307
PRA	1.0200000	PRB	.9621978	PRC	.9686120	L	.1289940	min	.0940901	max	.3029415
Si	4.322191	SAB	3.509231	Sf	3.224803	K	.0349039	z	.1229994	m	.0565686
n	.0989950	gam	16.601296	b-al	11.536921	the	101.53694	phi	106.60132		

N	4.0000000	wl	.1200000	w2	.0700000	w3	.0500000	SF	.0366850	LFr	.6870175
PRA	1.0200000	PRB	.9564632	PRC	.9603456	L	.1955471	min	.0960342	max	.2907433
Si	5.402719	SAB	4.112083	Sf	3.235320	K	.0995130	z	.0673139	m	.0707107
n	.0989950	gam	16.601296	b-al	13.212954	the	103.21298	phi	106.60132		

N	4.0000000	wl	.1200000	w2	.0800000	w3	.0200000	SF	.0359125	LFr	.5612278
PRA	1.0100000	PRB	1.0121011	PRC	.9561070	L	.1353340	min	.1024533	max	.3264411
Si	4.322154	SAB	3.348978	Sf	3.240729	K	.0328808	z	.1351331	m	.0282843
n	.1131371	gam	18.317487	b-al	8.213082	the	98.213105	phi	108.31751	2-LEVEL THRUST	

N	4.0000000	wl	.1200000	w2	.0800000	w3	.0300000	SF	.0380821	LFr	.7300034
PRA	1.0100000	PRB	.9921680	PRC	.9538606	L	.2696667	min	.1049927	max	.3148384
Si	6.483286	SAB	4.490196	Sf	3.245734	K	.1646740	z	.0319413	m	.0424264
n	.1131371	gam	18.317487	b-al	9.870816	the	99.870839	phi	108.31751		

N	4.0000000	wl	.1200000	w2	.0800000	w3	.0400000	SF	.0409775	LFr	.5972815
PRA	1.0200000	PRB	.9696848	PRC	.9664534	L	.1337376	min	.1072379	max	.3029415
Si	4.322175	SAB	3.471266	Sf	3.253115	K	.0264997	z	.1196452	m	.0565686
n	.1131371	gam	18.317487	b-al	11.536921	the	101.53694	phi	108.31751	2-LEVEL THRUST	

N	4.0000000	wl	.1200000	w2	.0800000	w3	.0500000	SF	.0451670	LFr	.7069359
PRA	1.0200000	PRB	.9602330	PRC	.9464386	L	.2002926	min	.1091819	max	.2907433
Si	5.402734	SAB	4.074133	Sf	3.263631	K	.0911107	z	.0639583	m	.0707107
n	.1131371	gam	18.317487	b-al	13.212954	the	103.21298	phi	108.31751		

N	4.0000000	wl	.1200000	w2	.0800000	w3	.0600000	SF	.0504542	LFr	.8316145
PRA	1.0200000	PRB	.9565476	PRC	.9386760	L	.2667294	min	.1108235	max	.2782428
Si	6.483265	SAB	4.677919	Sf	3.278328	K	.1559059	z	.0081412	m	.0848528
n	.1131371	gam	18.317487	b-al	14.900326	the	104.90035	phi	108.31751		

N	4.0000000	wl	.1200000	w2	.0800000	w3	.0600000	SF	.0504542	LFr	.6390028
PRA	1.0298539	PRB	.9419099	PRC	.9676862	L	.1316605	min	.1108235	max	.2782428
Si	4.322163	SAB	3.596736	Sf	3.278328	K	.0208370	z	.1036494	m	.0848528
n	.1131371	gam	18.317487	b-al	14.900326	the	104.90035	phi	108.31751	2-LEVEL THRUST	

N	4.0000000	wl	.1200000	w2	.0900000	w3	.0200000	SF	.0463734	LFr	.5737581		
PRA	1.0100000	PRB	1.0222559	PRC	.9698504	L	.1402989	min	.1159348	max	.3264411		
Si	4.322166	SAB	3.309272	Sf	3.280929	K	.0243641	z	.1316225	m	.0282843		
n	.1272792	gam	20.050887	b-al	8.213082	the	98.213105	phi	110.05091	2-LEVEL THRUST			
N	4.0000000	wl	.1200000	w2	.0900000	w3	.0300000	SF	.0485430	LFr	.7564612		
PRA	1.0100000	PRB	1.0004508	PRC	.9384436	L	.2746315	min	.1184742	max	.3148384		
Si	6.483298	SAB	4.450490	Sf	3.285934	K	.1561573	z	.0284306	m	.0424264		
n	.1272792	gam	20.050887	b-al	9.870816	the	99.870839	phi	110.05091				
N	4.0000000	wl	.1200000	w2	.0900000	w3	.0400000	SF	.0514383	LFr	.6101685		
PRA	1.0200000	PRB	.9748257	PRC	.9845021	L	.1387005	min	.1207194	max	.3029415		
Si	4.322157	SAB	3.431545	Sf	3.293315	K	.0179811	z	.1161359	m	.0565686		
n	.1272792	gam	20.050887	b-al	11.536921	the	101.53694	phi	110.05091	2-LEVEL THRUST			
N	4.0000000	wl	.1200000	w2	.0900000	w3	.0500000	SF	.0556278	LFr	.7269144		
PRA	1.0200000	PRB	.9663205	PRC	.9343332	L	.2052574	min	.1226634	max	.2907433		
Si	5.402746	SAB	4.034427	Sf	3.303831	K	.0825940	z	.0604477	m	.0707107		
n	.1272792	gam	20.050887	b-al	13.212954	the	103.21298	phi	110.05091				
N	4.0000000	wl	.1200000	w2	.0900000	w3	.0600000	SF	.0609141	LFr	.8586989		
PRA	1.0200000	PRB	.9589997	PRC	.9302985	L	.2716942	min	.1243050	max	.2782428		
Si	6.483278	SAB	4.638213	Sf	3.318528	K	.1473892	z	.0046306	m	.0848528		
n	.1272792	gam	20.050887	b-al	14.900326	the	104.90035	phi	110.05091				
N	4.0000000	wl	.1200000	w2	.0900000	w3	.0600000	SF	.0609141	LFr	.6523285		
PRA	1.0280663	PRB	.9406297	PRC	.9939938	L	.1366253	min	.1243050	max	.2782428		
Si	4.322176	SAB	3.549303	Sf	3.318528	K	.0123203	z	.1001387	m	.0848528		
n	.1272792	gam	20.050887	b-al	14.900326	the	104.90035	phi	110.05091	2-LEVEL THRUST			
N	4.0000000	wl	.1200000	w2	.0900000	w3	.0700000	SF	.0676994	LFr	.7489519		
PRA	1.0300000	PRB	.9431278	PRC	.9234601	L	.1804314	min	.1256239	max	.2654196		
Si	5.042534	SAB	3.982319	Sf	3.338871	K	.0548075	z	.0600957	m	.0989950		
n	.1272792	gam	20.050887	b-al	16.601296	the	106.60132	phi	110.05091				
N	4.0000000	wl	.1200000	w2	.1000000	w3	.0200000	SF	.0591784	LFr	.5863257		
PRA	1.0100000	PRB	1.0282228	PRC	.9942704	L	.1454945	min	.1297602	max	.3264411		
Si	4.322175	SAB	3.267715	Sf	3.340688	K	.0157342	z	.1279486	m	.0282843		
n	.1414214	gam	21.803625	b-al	8.213082	the	98.213105	phi	111.80365	2-LEVEL THRUST			
N	4.0000000	wl	.1200000	w2	.1000000	w3	.0300000	SF	.0613470	LFr	.7829857		
PRA	1.0100000	PRB	1.0091840	PRC	.9292103	L	.2798271	min	.1322997	max	.3148384		
Si	6.483306	SAB	4.408934	Sf	3.345693	K	.1475274	z	.0247567	m	.0424264		
n	.1414214	gam	21.803625	b-al	9.870816	the	99.870839	phi	111.80365				
N	4.0000000	wl	.1200000	w2	.1000000	w3	.0400000	SF	.0642424	LFr	.6231499		
PRA	1.0192353	PRB	.9763751	PRC	1.0140279	L	.1438980	min	.1345449	max	.3029415		
Si	4.322195	SAB	3.386698	Sf	3.353074	K	.0093532	z	.1124607	m	.0565686		
n	.1414214	gam	21.803625	b-al	11.536921	the	101.53694	phi	111.80365	2-LEVEL THRUST			
N	4.0000000	wl	.1200000	w2	.1000000	w3	.0500000	SF	.0684328	LFr	.7469978		
PRA	1.0200000	PRB	.9737510	PRC	.9271913	L	.2104511	min	.1364889	max	.2907433		
Si	5.402724	SAB	3.992855	Sf	3.363590	K	.0739623	z	.0567752	m	.0707107		
n	.1414214	gam	21.803625	b-al	13.212954	the	103.21298	phi	111.80365				
N	4.0000000	wl	.1200000	w2	.1000000	w3	.0600000	SF	.0737190	LFr	.8859139		
PRA	1.0200000	PRB	.9637101	PRC	.9252689	L	.2768879	min	.1381305	max	.2782428		
Si	6.483255	SAB	4.596641	Sf	3.378287	K	.1387574	z	.0009581	m	.0848528		
n	.1414214	gam	21.803625	b-al	14.900326	the	104.90035	phi	111.80365				
N	4.0000000	wl	.1200000	w2	.1000000	w3	.0600000	SF	.0737190	LFr	.6657887		
PRA	1.0231317	PRB	.9389969	PRC	1.0319362	L	.1418209	min	.1381305	max	.2782428		
Si	4.322184	SAB	3.486419	Sf	3.378287	K	.0036904	z	.0964649	m	.0848528		
n	.1414214	gam	21.803625	b-al	14.900326	the	104.90035	phi	111.80365	2-LEVEL THRUST			

N	4.0000000	w1	.1200000	w2	.1000000	w3	.0700000	SF	.0805044	LFr	.7672691
PRA	1.0300000	PRB	.9448779	PRC	.9221653	L	.1856270	min	.1394494	max	.2654196
Si	5.042542	SAB	3.940762	Sf	3.398630	K	.0461776	z	.0564219	m	.0989950
n	.1414214	gam	21.803625	b-al	16.601296	the	106.60132	phi	111.80365		

N	4.0000000	w1	.1200000	w2	.1000000	w3	.0800000	SF	.0890074	LFr	.8794994
PRA	1.0300000	PRB	.9430250	PRC	.9167956	L	.2293167	min	.1404438	max	.2522718
Si	5.762891	SAB	4.366341	Sf	3.426942	K	.0888730	z	.0162317	m	.1131371
n	.1414214	gam	21.803625	b-al	18.317487	the	108.31751	phi	111.80365		

N	4.0000000	w1	.1400000	w2	.0400000	w3	.0200000	SF	.0110836	LFr	.5748730
PRA	1.0100000	PRB	.9713079	PRC	1.0996668	L	.1255779	min	.0519984	max	.3062159
Si	4.322187	SAB	3.427060	Sf	3.158949	K	.0735796	z	.1277304	m	.0282843
n	.0565685	gam	12.246622	b-al	8.714620	the	98.714643	phi	102.24664		

N	4.0000000	w1	.1400000	w2	.0500000	w3	.0200000	SF	.0151291	LFr	.5886164
PRA	1.0100000	PRB	.9794993	PRC	1.0675890	L	.1298084	min	.0643371	max	.3062159
Si	4.322146	SAB	3.393175	Sf	3.165964	K	.0654714	z	.1247390	m	.0282843
n	.0707107	gam	14.029656	b-al	8.714620	the	98.714643	phi	104.02968		

N	4.0000000	w1	.1400000	w2	.0500000	w3	.0300000	SF	.0172701	LFr	.7166329
PRA	1.0100000	PRB	.9720443	PRC	1.058[illegible]037	L	.2641010	min	.0667798	max	.2945165
Si	6.483284	SAB	4.534720	Sf	3.169388	K	.1973213	z	.0215070	m	.0424264
n	.0707107	gam	14.029656	b-al	10.475587	the	100.47561	phi	104.02968		

N	4.0000000	w1	.1400000	w2	.0600000	w3	.0200000	SF	.0203600	LFr	.6022329
PRA	1.0100000	PRB	.9894782	PRC	1.0366757	L	.1342449	min	.0769990	max	.3062159
Si	4.322187	SAB	3.357724	Sf	3.175597	K	.0572459	z	.1216019	m	.0282843
n	.0848528	gam	15.826319	b-al	8.714620	the	98.714643	phi	105.82634		

N	4.0000000	w1	.1400000	w2	.0600000	w3	.0300000	SF	.0225010	LFr	.7441254
PRA	1.0100000	PRB	.9773494	PRC	1.0310066	L	.2685337	min	.0794417	max	.2945165
Si	6.483264	SAB	4.499238	Sf	3.179021	K	.1890920	z	.0183726	m	.0424264
n	.0848528	gam	15.826319	b-al	10.475587	the	100.47561	phi	105.82634		

N	4.0000000	w1	.1400000	w2	.0600000	w3	.0400000	SF	.0253630	LFr	.6395569
PRA	1.0200000	PRB	.9558732	PRC	1.0211689	L	.1325588	min	.0815690	max	.2825017
Si	4.322181	SAB	3.480703	Sf	3.184019	K	.0509898	z	.1060256	m	.0565686
n	.0848528	gam	15.826319	b-al	12.246622	the	102.24664	phi	105.82634		

N	4.0000000	w1	.1400000	w2	.0700000	w3	.0200000	SF	.0269966	LFr	.6157770
PRA	1.0100000	PRB	1.0005039	PRC	1.0080891	L	.1388989	min	.0900082	max	.3062159
Si	4.322171	SAB	3.320477	Sf	3.188570	K	.0488907	z	.1183111	m	.0282843
n	.0989950	gam	17.639436	b-al	8.714620	the	98.714643	phi	107.63946		

N	4.0000000	w1	.1400000	w2	.0700000	w3	.0300000	SF	.0291376	LFr	.7715769
PRA	1.0100000	PRB	.9842459	PRC	1.0044785	L	.2731915	min	.0924509	max	.2945165
Si	6.483309	SAB	4.462022	Sf	3.191994	K	.1807406	z	.0150791	m	.0424264
n	.0989950	gam	17.639436	b-al	10.475587	the	100.47561	phi	107.63946		

N	4.0000000	w1	.1400000	w2	.0700000	w3	.0400000	SF	.0319996	LFr	.6534109
PRA	1.0200000	PRB	.9614757	PRC	.9985353	L	.1372128	min	.0945782	max	.2825017
Si	4.322165	SAB	3.443455	Sf	3.196992	K	.0426346	z	.1027348	m	.0565686
n	.0989950	gam	17.639436	b-al	12.246622	the	102.24664	phi	107.63946		

N	4.0000000	w1	.1400000	w2	.0700000	w3	.0500000	SF	.0361261	LFr	.7569847
PRA	1.0200000	PRB	.9557605	PRC	.9885737	L	.2037144	min	.0963815	max	.2701628
Si	5.402745	SAB	4.046771	Sf	3.204007	K	.1073329	z	.0469862	m	.0707107
n	.0989950	gam	17.639436	b-al	14.029655	the	104.02968	phi	107.63946		

N	4.0000000	w1	.1400000	w2	.0800000	w3	.0200000	SF	.0352411	LFr	.6292992
PRA	1.0100000	PRB	1.0122669	PRC	.9823869	L	.1437798	min	.1033670	max	.3062159
Si	4.322141	SAB	3.281398	Sf	3.205966	K	.0404128	z	.1148597	m	.0282843
n	.1131371	gam	19.470994	b-al	8.714620	the	98.714643	phi	109.47102		

N	4.0000000	w1	.1400000	w2	.0800000	w3	.0300000	SF	.0373831	LFr	.7990265	
PRA	1.0100000	PRB	.9920489	PRC	.9800348	L	.2780724	min	.1058097	max	.2945165	
Si	6.483278	SAB	4.422943	Sf	3.209390	K	.1722627	z	.0116278	m	.0424264	
n	.1131371	gam	19.470994	b-al	10.475587	the	100.47561	phi	109.47102			
N	4.0000000	w1	.1400000	w2	.0800000	w3	.0400000	SF	.0402441	LFr	.6672964	
PRA	1.0200000	PRB	.9695233	PRC	.9762861	L	.1420975	min	.1079370	max	.2825017	
Si	4.322195	SAB	3.404408	Sf	3.214389	K	.0341605	z	.0992808	m	.0565686	
n	.1131371	gam	19.470994	b-al	12.246622	the	102.24664	phi	109.47102			
N	4.0000000	w1	.1400000	w2	.0800000	w3	.0500000	SF	.0443716	LFr	.7779560	
PRA	1.0200000	PRB	.9595738	PRC	.9703218	L	.2085972	min	.1097403	max	.2701628	
Si	5.402745	SAB	4.007708	Sf	3.221404	K	.0988569	z	.0435335	m	.0707107	
n	.1131371	gam	19.470994	b-al	14.029655	the	104.02968	phi	109.47102			
N	4.0000000	w1	.1400000	w2	.0800000	w3	.0600000	SF	.0495615	LFr	.7110672	
PRA	1.0300000	PRB	.9422757	PRC	.9709891	L	.1399040	min	.1112206	max	.2575009	
Si	4.322165	SAB	3.531421	Sf	3.231037	K	.0286835	z	.0831536	m	.0848528	
n	.1131371	gam	19.470994	b-al	15.826319	the	105.82634	phi	109.47102	2-LEVEL THRUST		
N	4.0000000	w1	.1400000	w2	.0900000	w3	.0200000	SF	.0453358	LFr	.6428614	
PRA	1.0100000	PRB	1.0243785	PRC	.9728648	L	.1489048	min	.1170873	max	.3062159	
Si	4.322158	SAB	3.240416	Sf	3.229339	K	.0318175	z	.1112358	m	.0282843	
n	.1272792	gam	21.323511	b-al	8.714620	the	98.714643	phi	111.32353	2-LEVEL THRUST		
N	4.0000000	w1	.1400000	w2	.0900000	w3	.0300000	SF	.0474777	LFr	.8265390	
PRA	1.0100000	PRB	1.0004579	PRC	.9584630	L	.2831955	min	.1195300	max	.2945165	
Si	6.483265	SAB	4.381945	Sf	3.232763	K	.1636655	z	.0080052	m	.0424264	
n	.1272792	gam	21.323511	b-al	10.475587	the	100.47561	phi	111.32353			
N	4.0000000	w1	.1400000	w2	.0900000	w3	.0400000	SF	.0503397	LFr	.6812592	
PRA	1.0200000	PRB	.9775069	PRC	.9847982	L	.1472187	min	.1216573	max	.2825017	
Si	4.322152	SAB	3.363394	Sf	3.237762	K	.0255614	z	.0956595	m	.0565686	
n	.1272792	gam	21.323511	b-al	12.246622	the	102.24664	phi	111.32353	2-LEVEL THRUST		
N	4.0000000	w1	.1400000	w2	.0900000	w3	.0500000	SF	.0544663	LFr	.7990303	
PRA	1.0200000	PRB	.9657454	PRC	.9523885	L	.2137184	min	.1234606	max	.2701628	
Si	5.402702	SAB	3.966694	Sf	3.244776	K	.0902578	z	.0399122	m	.0707107	
n	.1272792	gam	21.323511	b-al	14.029655	the	104.02968	phi	111.32353			
N	4.0000000	w1	.1400000	w2	.0900000	w3	.0600000	SF	.0596562	LFr	.7255211	
PRA	1.0297707	PRB	.9423429	PRC	.9897114	L	.1450272	min	.1249408	max	.2575009	
Si	4.322153	SAB	3.489431	Sf	3.254409	K	.0200864	z	.0795310	m	.0848528	
n	.1272792	gam	21.323511	b-al	15.826319	the	105.82634	phi	111.32353	2-LEVEL THRUST		
N	4.0000000	w1	.1400000	w2	.0900000	w3	.0700000	SF	.0662909	LFr	.8232622	
PRA	1.0300000	PRB	.9421592	PRC	.9373357	L	.1887684	min	.1260738	max	.2444917	
Si	5.042543	SAB	3.915632	Sf	3.267382	K	.0626946	z	.0394024	m	.0989950	
n	.1272792	gam	21.323511	b-al	17.639436	the	107.63946	phi	111.32353			
N	4.0000000	w1	.1400000	w2	.1000000	w3	.0200000	SF	.0575323	LFr	.6565161	
PRA	1.0100000	PRB	1.0336458	PRC	.9867263	L	.1542854	min	.1311821	max	.3062159	
Si	4.322178	SAB	3.197391	Sf	3.261101	K	.0231034	z	.1074311	m	.0282843	
n	.1414214	gam	23.199708	b-al	8.714620	the	98.714643	phi	113.19973	2-LEVEL THRUST		
N	4.0000000	w1	.1400000	w2	.1000000	w3	.0300000	SF	.0596743	LFr	.8541689	
PRA	1.0100000	PRB	1.0093323	PRC	.9404673	L	.2885742	min	.1336248	max	.2945165	
Si	6.483255	SAB	4.338905	Sf	3.264524	K	.1549495	z	.0042018	m	.0424264	
n	.1414214	gam	23.199708	b-al	10.475587	the	100.47561	phi	113.19973			
N	4.0000000	w1	.1400000	w2	.1000000	w3	.0400000	SF	.0625362	LFr	.6953735	
PRA	1.0200000	PRB	.9820000	PRC	1.0027358	L	.1525993	min	.1357521	max	.2825017	
Si	4.322172	SAB	3.320369	Sf	3.269523	K	.0168473	z	.0918548	m	.0565686	
n	.1414214	gam	23.199708	b-al	12.246622	the	102.24664	phi	113.19973	2-LEVEL THRUST		

N	4.0000000	wl	.1400000	w2	.1000000	w3	.0500000	SF	.0666628	LFr	.8202820		
PRA	1.0200000	PRB	.9732882	PRC	.9367203	L	.2190991	min	.1375554	max	.2701628		
Si	5.402722	SAB	3.923670	Sf	3.276538	K	.0815437	z	.0361076	m	.0707107		
n	.1414214	gam	23.199708	b-al	14.029655	the	104.02968	phi	113.19973				
N	4.0000000	wl	.1400000	w2	.1000000	w3	.0600000	SF	.0718527	LFr	.7401724		
PRA	1.0277206	PRB	.9424132	PRC	1.0143790	L	.1504078	min	.1390356	max	.2575009		
Si	4.322173	SAB	3.437546	Sf	3.286171	K	.0113722	z	.0757263	m	.0848528		
n	.1414214	gam	23.199708	b-al	15.826319	the	105.82634	phi	113.19973	2-LEVEL THRUST			
N	4.0000000	wl	.1400000	w2	.1000000	w3	.0700000	SF	.0784874	LFr	.8427982		
PRA	1.0300000	PRB	.9439075	PRC	.9280522	L	.1941471	min	.1401686	max	.2444917		
Si	5.042533	SAB	3.872592	Sf	3.299144	K	.0539786	z	.0355990	m	.0989950		
n	.1414214	gam	23.199708	b-al	17.639436	the	107.63946	phi	113.19973				
N	4.0000000	wl	.1400000	w2	.1000000	w3	.0800000	SF	.0867519	LFr	.7911301		
PRA	1.0312097	PRB	.9236627	PRC	1.0141872	L	.1477203	min	.1409518	max	.2311329		
Si	4.322183	SAB	3.540411	Sf	3.316540	K	.0067685	z	.0589816	m	.1131371		
n	.1414214	gam	23.199708	b-al	19.470994	the	109.47102	phi	113.19973	2-LEVEL THRUST			
N	4.0000000	wl	.1400000	w2	.1100000	w3	.0200000	SF	.0721693	LFr	.6703320		
PRA	1.0100000	PRB	1.0379249	PRC	1.0102813	L	.1599369	min	.1456670	max	.3062159		
Si	4.322180	SAB	3.152180	Sf	3.305364	K	.0142699	z	.1034349	m	.0282843		
n	.1555635	gam	25.102621	b-al	8.714620	the	98.714643	phi	115.10264	2-LEVEL THRUST			
N	4.0000000	wl	.1400000	w2	.1100000	w3	.0300000	SF	.0743103	LFr	.8819981		
PRA	1.0100000	PRB	1.0185981	PRC	.9270572	L	.2942295	min	.1481097	max	.2945165		
Si	6.483317	SAB	4.293725	Sf	3.308788	K	.1461198	z	.0002030	m	.0424264		
n	.1555635	gam	25.102621	b-al	10.475587	the	100.47561	phi	115.10264				
N	4.0000000	wl	.1400000	w2	.1100000	w3	.0400000	SF	.0771723	LFr	.7097054		
PRA	1.0188795	PRB	.9822790	PRC	1.0315730	L	.1582508	min	.1502370	max	.2825017		
Si	4.322173	SAB	3.270316	Sf	3.313786	K	.0080138	z	.0878586	m	.0565686		
n	.1555635	gam	25.102621	b-al	12.246622	the	102.24664	phi	115.10264	2-LEVEL THRUST			
N	4.0000000	wl	.1400000	w2	.1100000	w3	.0500000	SF	.0812988	LFr	.8417797		
PRA	1.0200000	PRB	.9817596	PRC	.9248750	L	.2247505	min	.1520403	max	.2701628		
Si	5.402723	SAB	3.878459	Sf	3.320801	K	.0727102	z	.0321114	m	.0707107		
n	.1555635	gam	25.102621	b-al	14.029655	the	104.02968	phi	115.10264				
N	4.0000000	wl	.1400000	w2	.1100000	w3	.0600000	SF	.0864887	LFr	.7550993		
PRA	1.0221250	PRB	.9405312	PRC	1.0513231	L	.1560593	min	.1535205	max	.2575009		
Si	4.322174	SAB	3.368150	Sf	3.330434	K	.0025388	z	.0717301	m	.0848528		
n	.1555635	gam	25.102621	b-al	15.826319	the	105.82634	phi	115.10264	2-LEVEL THRUST			
N	4.0000000	wl	.1400000	w2	.1100000	w3	.0700000	SF	.0931244	LFr	.8626404		
PRA	1.0300000	PRB	.9486441	PRC	.9208400	L	.1997986	min	.1546535	max	.2444917		
Si	5.042534	SAB	3.827382	Sf	3.343407	K	.0451451	z	.0316028	m	.0989950		
n	.1555635	gam	25.102621	b-al	17.639436	the	107.63946	phi	115.10264	2-LEVEL THRUST			
N	4.0000000	wl	.1400000	w2	.1200000	w3	.0200000	SF	.0896587	LFr	.6844044		
PRA	1.0098578	PRB	1.0354221	PRC	1.0486366	L	.1658783	min	.1605601	max	.3062159		
Si	4.322167	SAB	3.104022	Sf	3.370290	K	.0053182	z	.0992337	m	.0282843		
n	.1697056	gam	27.035633	b-al	8.714620	the	98.714643	phi	117.03566	2-LEVEL THRUST			
N	4.0000000	wl	.1400000	w2	.1200000	w3	.0500000	SF	.0987883	LFr	.8636236		
PRA	1.0200000	PRB	.9909395	PRC	.9190897	L	.2306938	min	.1669334	max	.2701628		
Si	5.402741	SAB	3.830931	Sf	3.385727	K	.0637604	z	.0279088	m	.0707107		
n	.1697056	gam	27.035633	b-al	14.029655	the	104.02968	phi	117.03566				
N	4.0000000	wl	.1400000	w2	.1200000	w3	.0700000	SF	.1106138	LFr	.8828850		
PRA	1.0300000	PRB	.9537076	PRC	.9454787	L	.2057419	min	.1695466	max	.2444917		
Si	5.042552	SAB	3.779854	Sf	3.408333	K	.0361953	z	.0274003	m	.0989950		
n	.1697056	gam	27.035633	b-al	17.639436	the	107.63946	phi	117.03566	2-LEVEL THRUST			

N	4.0000000	wl	.1600000	w2	.0400000	w3	.0200000	SF	.0112095	LFr	.6360226
PRA	1.0100000	PRB	.9707600	PRC	1.1482335	L	.1336041	min	.0522444	max	.2859628
Si	4.322180	SAB	3.362844	Sf	3.153262	K	.0813597	z	.1077339	m	.0282843
n	.0565685	gam	13.050236	b-al	9.281672	the	99.281695	phi	103.05026		

N	4.0000000	wl	.1600000	w2	.0500000	w3	.0200000	SF	.0152989	LFr	.6506815
PRA	1.0100000	PRB	.9790990	PRC	1.1124154	L	.1379356	min	.0647417	max	.2859628
Si	4.322188	SAB	3.328200	Sf	3.157892	K	.0731940	z	.1046710	m	.0282843
n	.0707107	gam	14.955219	b-al	9.281672	the	99.281695	phi	104.95524		

N	4.0000000	wl	.1600000	w2	.0500000	w3	.0300000	SF	.0174694	LFr	.7796097
PRA	1.0100000	PRB	.9716400	PRC	1.1018203	L	.2721787	min	.0670731	max	.2741521
Si	6.483268	SAB	4.470083	Sf	3.160188	K	.2051056	z	.0013954	m	.0424264
n	.0707107	gam	14.955219	b-al	11.159840	the	101.15986	phi	104.95524		

N	4.0000000	wl	.1600000	w2	.0500000	w3	.0300000	SF	.0174694	LFr	.6145144
PRA	1.0174085	PRB	.9497935	PRC	1.1712067	L	.0695763	min	.0670731	max	.2741521
Si	3.241629	SAB	2.840863	Sf	3.160188	K	.0025032	z	.1446569	m	.0424264
n	.0707107	gam	14.955219	b-al	11.159840	the	101.15986	phi	104.95524	2-LEVEL THRUST	

N	4.0000000	wl	.1600000	w2	.0600000	w3	.0200000	SF	.0205822	LFr	.6652413
PRA	1.0100000	PRB	.9892674	PRC	1.0776838	L	.1424847	min	.0775895	max	.2859628
Si	4.322147	SAB	3.291766	Sf	3.164185	K	.0648952	z	.1014544	m	.0282843
n	.0848528	gam	16.876945	b-al	9.281672	the	99.281695	phi	106.87697		

N	4.0000000	wl	.1600000	w2	.0600000	w3	.0400000	SF	.0256596	LFr	.7044687
PRA	1.0200000	PRB	.9550315	PRC	1.0599655	L	.1407013	min	.0819136	max	.2620026
Si	4.322176	SAB	3.415558	Sf	3.169812	K	.0587878	z	.0857730	m	.0565686
n	.0848528	gam	16.876945	b-al	13.050236	the	103.05026	phi	106.87697		

N	4.0000000	wl	.1600000	w2	.0700000	w3	.0200000	SF	.0272751	LFr	.6797676
PRA	1.0100000	PRB	1.0005142	PRC	1.0452066	L	.1472817	min	.0908122	max	.2859628
Si	4.322202	SAB	3.253445	Sf	3.172539	K	.0564694	z	.0980624	m	.0282843
n	.0989950	gam	18.818803	b-al	9.281672	the	99.281695	phi	108.81882		

N	4.0000000	wl	.1600000	w2	.0700000	w3	.0400000	SF	.0323525	LFr	.7193489
PRA	1.0200000	PRB	.9607200	PRC	1.0340059	L	.1454945	min	.0951363	max	.2620026
Si	4.322170	SAB	3.377206	Sf	3.178166	K	.0503582	z	.0823837	m	.0565686
n	.0989950	gam	18.818803	b-al	13.050236	the	103.05026	phi	108.81882		

N	4.0000000	wl	.1600000	w2	.0700000	w3	.0500000	SF	.0365124	LFr	.8239298
PRA	1.0200000	PRB	.9550295	PRC	1.0225185	L	.2119331	min	.0967810	max	.2495052
Si	5.402712	SAB	3.980988	Sf	3.182797	K	.1151521	z	.0265674	m	.0707107
n	.0989950	gam	18.818803	b-al	14.955219	the	104.95524	phi	108.81882		

N	4.0000000	wl	.1600000	w2	.0700000	w3	.0500000	SF	.0365124	LFr	.6863499
PRA	1.0233686	PRB	.9345131	PRC	1.1142373	L	.0993767	min	.0967810	max	.2495052
Si	3.601809	SAB	3.056651	Sf	3.182797	K	.0025957	z	.1061569	m	.0707107
n	.0989950	gam	18.818803	b-al	14.955219	the	104.95524	phi	108.81882	2-LEVEL THRUST	

N	4.0000000	wl	.1600000	w2	.0800000	w3	.0200000	SF	.0355768	LFr	.6943140
PRA	1.0100000	PRB	1.0125277	PRC	1.0154346	L	.1523247	min	.1044142	max	.2859628
Si	4.322179	SAB	3.213078	Sf	3.183533	K	.0479105	z	.0944964	m	.0282843
n	.1131371	gam	20.783323	b-al	9.281672	the	99.281695	phi	110.78334		

N	4.0000000	wl	.1600000	w2	.0800000	w3	.0400000	SF	.0406542	LFr	.7343025
PRA	1.0200000	PRB	.9689064	PRC	1.0080198	L	.1505394	min	.1087383	max	.2620026
Si	4.322177	SAB	3.336855	Sf	3.189161	K	.0418011	z	.0788164	m	.0565686
n	.1131371	gam	20.783323	b-al	13.050236	the	103.05026	phi	110.78334		

N	4.0000000	wl	.1600000	w2	.0800000	w3	.0500000	SF	.0448151	LFr	.8459959
PRA	1.0200000	PRB	.9588858	PRC	1.0008885	L	.2169781	min	.1103830	max	.2495052
Si	5.402720	SAB	3.940636	Sf	3.193791	K	.1065951	z	.0230001	m	.0707107
n	.1131371	gam	20.783323	b-al	14.955219	the	104.95524	phi	110.78334		

N	4.0000000	w1	.1600000	w2	.0800000	w3	.0600000	SF	.0500603	LFr	.7802000
PRA	1.0300000	PRB	.9413358	PRC	.9893872	L	.1482201	min	.1116774	max	.2366574
Si	4.322194	SAB	3.464922	Sf	3.200084	K	.0365427	z	.0625346	m	.0848528
n	.1131371	gam	20.783323	b-al	16.876944	the	106.87697	phi	110.78334		

N	4.0000000	w1	.1600000	w2	.0900000	w3	.0200000	SF	.0457049	LFr	.7089472
PRA	1.0100000	PRB	1.0251743	PRC	.9885935	L	.1576347	min	.1184112	max	.2859628
Si	4.322146	SAB	3.170564	Sf	3.197928	K	.0392235	z	.0907417	m	.0282843
n	.1272792	gam	22.773790	b-al	9.281672	the	99.281695	phi	112.77381		

N	4.0000000	w1	.1600000	w2	.0900000	w3	.0400000	SF	.0507822	LFr	.7493982
PRA	1.0200000	PRB	.9784122	PRC	.9938936	L	.1558514	min	.1227353	max	.2620026
Si	4.322174	SAB	3.294356	Sf	3.203555	K	.0331161	z	.0750602	m	.0565686
n	.1272792	gam	22.773790	b-al	13.050236	the	103.05026	phi	112.77381	2-LEVEL THRUST	

N	4.0000000	w1	.1600000	w2	.0900000	w3	.0500000	SF	.0549421	LFr	.8682337
PRA	1.0200000	PRB	.9651429	PRC	.9789373	L	.2222901	min	.1243800	max	.2495052
Si	5.402717	SAB	3.898137	Sf	3.208186	K	.0979101	z	.0192440	m	.0707107
n	.1272792	gam	22.773790	b-al	14.955219	the	104.95524	phi	112.77381		

N	4.0000000	w1	.1600000	w2	.0900000	w3	.0600000	SF	.0601874	LFr	.7958450
PRA	1.0300000	PRB	.9435324	PRC	.9954514	L	.1535320	min	.1256744	max	.2366574
Si	4.322191	SAB	3.422423	Sf	3.214479	K	.0278577	z	.0587785	m	.0848528
n	.1272792	gam	22.773790	b-al	16.876944	the	106.87697	phi	112.77381	2-LEVEL THRUST	

N	4.0000000	w1	.1600000	w2	.0900000	w3	.0700000	SF	.0668783	LFr	.8947468
PRA	1.0300000	PRB	.9411457	PRC	.9605644	L	.1971951	min	.1265937	max	.2234346
Si	5.042530	SAB	3.848206	Sf	3.222833	K	.0706014	z	.0185541	m	.0989950
n	.1272792	gam	22.773790	b-al	18.818803	the	108.81882	phi	112.77381		

N	4.0000000	w1	.1600000	w2	.1000000	w3	.0200000	SF	.0578985	LFr	.7237435
PRA	1.0100000	PRB	1.0371592	PRC	.9922387	L	.1632347	min	.1328193	max	.2859628
Si	4.322187	SAB	3.125806	Sf	3.216796	K	.0304154	z	.0867819	m	.0282843
n	.1414214	gam	24.793708	b-al	9.281672	the	99.281695	phi	114.79373	2-LEVEL THRUST	

N	4.0000000	w1	.1600000	w2	.1000000	w3	.0400000	SF	.0629759	LFr	.7647095
PRA	1.0200000	PRB	.9859267	PRC	1.0057972	L	.1614494	min	.1371434	max	.2620026
Si	4.322185	SAB	3.249582	Sf	3.222423	K	.0243061	z	.0711018	m	.0565686
n	.1414214	gam	24.793708	b-al	13.050236	the	103.05026	phi	114.79373	2-LEVEL THRUST	

N	4.0000000	w1	.1600000	w2	.1000000	w3	.0500000	SF	.0671368	LFr	.8907147
PRA	1.0200000	PRB	.9728008	PRC	.9584001	L	.2278881	min	.1387881	max	.2495052
Si	5.402728	SAB	3.853363	Sf	3.227054	K	.0891000	z	.0152856	m	.0707107
n	.1414214	gam	24.793708	b-al	14.955219	the	104.95524	phi	114.79373		

N	4.0000000	w1	.1600000	w2	.1000000	w3	.0600000	SF	.0723820	LFr	.8117561
PRA	1.0296443	PRB	.9451840	PRC	1.0132603	L	.1591282	min	.1400825	max	.2366574
Si	4.322171	SAB	3.376096	Sf	3.233347	K	.0190458	z	.0548214	m	.0848528
n	.1414214	gam	24.793708	b-al	16.876944	the	106.87697	phi	114.79373	2-LEVEL THRUST	

N	4.0000000	w1	.1600000	w2	.1000000	w3	.0700000	SF	.0790730	LFr	.9155865
PRA	1.0300000	PRB	.9428875	PRC	.9469660	L	.2027931	min	.1410018	max	.2234346
Si	5.042541	SAB	3.803432	Sf	3.241701	K	.0617914	z	.0145957	m	.0989950
n	.1414214	gam	24.793708	b-al	18.818803	the	108.81882	phi	114.79373		

N	4.0000000	w1	.1600000	w2	.1100000	w3	.0200000	SF	.0724459	LFr	.7387753
PRA	1.0100000	PRB	1.0452477	PRC	1.0074081	L	.1691380	min	.1476589	max	.2859628
Si	4.322180	SAB	3.078573	Sf	3.241709	K	.0214791	z	.0826076	m	.0282843
n	.1555635	gam	26.847105	b-al	9.281672	the	99.281695	phi	116.84713	2-LEVEL THRUST	

N	4.0000000	w1	.1600000	w2	.1100000	w3	.0400000	SF	.0775232	LFr	.7803221
PRA	1.0200230	PRB	.9891516	PRC	1.0251379	L	.1673527	min	.1519829	max	.2620026
Si	4.322178	SAB	3.202448	Sf	3.247336	K	.0153698	z	.0669276	m	.0565686
n	.1555635	gam	26.847105	b-al	13.050236	the	103.05026	phi	116.84713	2-LEVEL THRUST	

N	4.0000000	w1	.1600000	w2	.1100000	w3	.0500000	SF	.0816841	LFr	.9135285
PRA	1.0200000	PRB	.9814130	PRC	.9402595	L	.2337914	min	.1536277	max	.2495052
Si	5.402721	SAB	3.806131	Sf	3.251967	K	.0801637	z	.0111113	m	.0707107
n	.1555635	gam	26.847105	b-al	14.955219	the	104.95524	phi	116.84713		

N	4.0000000	w1	.1600000	w2	.1100000	w3	.0600000	SF	.0869293	LFr	.8280411
PRA	1.0271573	PRB	.9452984	PRC	1.0387796	L	.1650334	min	.1549220	max	.2366574
Si	4.322195	SAB	3.318130	Sf	3.258260	K	.0101114	z	.0506458	m	.0848528
n	.1555635	gam	26.847105	b-al	16.876944	the	106.87697	phi	116.84713	2-LEVEL THRUST	

N	4.0000000	w1	.1600000	w2	.1200000	w3	.0200000	SF	.0896692	LFr	.7541552
PRA	1.0100000	PRB	1.0477782	PRC	1.0320684	L	.1753712	min	.1629527	max	.2859628
Si	4.322175	SAB	3.028702	Sf	3.275174	K	.0124185	z	.0782001	m	.0282843
n	.1697056	gam	28.938463	b-al	9.281672	the	99.281695	phi	118.93848	2-LEVEL THRUST	

N	4.0000000	w1	.1600000	w2	.1200000	w3	.0400000	SF	.0947466	LFr	.7963495
PRA	1.0182230	PRB	.9878780	PRC	1.0560487	L	.1735859	min	.1672768	max	.2620026
Si	4.322174	SAB	3.144798	Sf	3.280801	K	.0063091	z	.0625200	m	.0565686
n	.1697056	gam	28.938463	b-al	13.050236	the	103.05026	phi	118.93848	2-LEVEL THRUST	

N	4.0000000	w1	.1600000	w2	.1200000	w3	.0500000	SF	.0989075	LFr	.9367905
PRA	1.0200000	PRB	.9907594	PRC	.9253773	L	.2400246	min	.1689215	max	.2495052
Si	5.402716	SAB	3.756260	Sf	3.285432	K	.0711031	z	.0067038	m	.0707107
n	.1697056	gam	28.938463	b-al	14.955219	the	104.95524	phi	118.93848		

N	4.0000000	w1	.1600000	w2	.1300000	w3	.0200000	SF	.1099558	LFr	.7699843
PRA	1.0094752	PRB	1.0418936	PRC	1.0720231	L	.1819630	min	.1787281	max	.2859628
Si	4.322190	SAB	2.973714	Sf	3.321442	K	.0032349	z	.0735390	m	.0282843
n	.1838478	gam	31.072922	b-al	9.281672	the	99.281695	phi	121.07294	2-LEVEL THRUST	

N	4.0000000	w1	.1800000	w2	.0400000	w3	.0200000	SF	.0115786	LFr	.6940270
PRA	1.0100000	PRB	.9701887	PRC	1.2020441	L	.1416607	min	.0525278	max	.2656758
Si	4.322188	SAB	3.298399	Sf	3.148819	K	.0891329	z	.0876919	m	.0282843
n	.0565685	gam	13.967897	b-al	9.928032	the	99.928055	phi	103.96792		

N	4.0000000	w1	.1800000	w2	.0500000	w3	.0200000	SF	.0158062	LFr	.7096214
PRA	1.0100000	PRB	.9786803	PRC	1.1622129	L	.1461048	min	.0652087	max	.2656758
Si	4.322159	SAB	3.262816	Sf	3.151655	K	.0808961	z	.0845494	m	.0282843
n	.0707107	gam	16.013382	b-al	9.928032	the	99.928055	phi	106.01341		

N	4.0000000	w1	.1800000	w2	.0500000	w3	.0300000	SF	.0180512	LFr	.6743879
PRA	1.0199455	PRB	.9522445	PRC	1.1893093	L	.0776959	min	.0674121	max	.2537370
Si	3.241640	SAB	2.784141	Sf	3.153076	K	.0102838	z	.1244799	m	.0424264
n	.0707107	gam	16.013382	b-al	11.940427	the	101.94045	phi	106.01341	2-LEVEL THRUST	

N	4.0000000	w1	.1800000	w2	.0600000	w3	.0200000	SF	.0212755	LFr	.7251511
PRA	1.0100000	PRB	.9890463	PRC	1.1235066	L	.1507950	min	.0782710	max	.2656758
Si	4.322172	SAB	3.225308	Sf	3.155492	K	.0725240	z	.0812330	m	.0282843
n	.0848528	gam	18.079681	b-al	9.928032	the	99.928055	phi	108.07970		

N	4.0000000	w1	.1800000	w2	.0600000	w3	.0300000	SF	.0235195	LFr	.6832037
PRA	1.0170489	PRB	.9528839	PRC	1.2103523	L	.0823841	min	.0804744	max	.2537370
Si	3.241623	SAB	2.737228	Sf	3.156914	K	.0019097	z	.1211648	m	.0424264
n	.0848528	gam	18.079681	b-al	11.940427	the	101.94045	phi	108.07970	2-LEVEL THRUST	

N	4.0000000	w1	.1800000	w2	.0600000	w3	.0400000	SF	.0265379	LFr	.7663317
PRA	1.0200000	PRB	.9541515	PRC	1.1035531	L	.1488972	min	.0823116	max	.2414320
Si	4.322176	SAB	3.349991	Sf	3.158961	K	.0665856	z	.0654320	m	.0565686
n	.0848528	gam	18.079681	b-al	13.967897	the	103.96792	phi	108.07970		

N	4.0000000	w1	.1800000	w2	.0700000	w3	.0200000	SF	.0281992	LFr	.7406902
PRA	1.0100000	PRB	1.0005252	PRC	1.0871389	L	.1557503	min	.0917408	max	.2656758
Si	4.322155	SAB	3.185649	Sf	3.160537	K	.0640095	z	.0777291	m	.0282843
n	.0989950	gam	20.170979	b-al	9.928032	the	99.928055	phi	110.17100		

N	4.0000000	w1	.1800000	w2	.0700000	w3	.0400000	SF	.0334616	LFr	.7822752
PRA	1.0200000	PRB	.9599267	PRC	1.0743413	L	.1538544	min	.0957814	max	.2414320
Si	4.322190	SAB	3.310347	Sf	3.164006	K	.0580730	z	.0619268	m	.0565686
n	.0989950	gam	20.170979	b-al	13.967897	the	103.96792	phi	110.17100		

N	4.0000000	w1	.1800000	w2	.0700000	w3	.0500000	SF	.0377598	LFr	.8879051
PRA	1.0200000	PRB	.9542677	PRC	1.0613607	L	.2202244	min	.0972427	max	.2287512
Si	5.402732	SAB	3.914677	Sf	3.166841	K	.1229817	z	.0060294	m	.0707107
n	.0989950	gam	20.170979	b-al	16.013382	the	106.01341	phi	110.17100		

N	4.0000000	w1	.1800000	w2	.0700000	w3	.0500000	SF	.0377598	LFr	.7503243
PRA	1.0282576	PRB	.9364584	PRC	1.1242673	L	.1076660	min	.0972427	max	.2287512
Si	3.601798	SAB	3.007933	Sf	3.166841	K	.0104234	z	.0856202	m	.0707107
n	.0989950	gam	20.170979	b-al	16.013382	the	106.01341	phi	110.17100	2-LEVEL THRUST	

N	4.0000000	w1	.1800000	w2	.0800000	w3	.0200000	SF	.0367832	LFr	.7563067
PRA	1.0100000	PRB	1.0128039	PRC	1.0535134	L	.1609879	min	.1056276	max	.2656758
Si	4.322166	SAB	3.143760	Sf	3.167100	K	.0553602	z	.0740255	m	.0282843
n	.1131371	gam	22.290742	b-al	9.928032	the	99.928055	phi	112.29076		

N	4.0000000	w1	.1800000	w2	.0800000	w3	.0400000	SF	.0420466	LFr	.7983523
PRA	1.0200000	PRB	.9682556	PRC	1.0448721	L	.1590901	min	.1096682	max	.2414320
Si	4.322171	SAB	3.268443	Sf	3.170570	K	.0494219	z	.0582246	m	.0565686
n	.1131371	gam	22.290742	b-al	13.967897	the	103.96792	phi	112.29076		

N	4.0000000	w1	.1800000	w2	.0800000	w3	.0500000	SF	.0463448	LFr	.9111262
PRA	1.0200000	PRB	.9581653	PRC	1.0366510	L	.2254601	min	.1111295	max	.2287512
Si	5.402713	SAB	3.872772	Sf	3.173405	K	.1143306	z	.0023272	m	.0707107
n	.1131371	gam	22.290742	b-al	16.013382	the	106.01341	phi	112.29076		

N	4.0000000	w1	.1800000	w2	.0800000	w3	.0500000	SF	.0463448	LFr	.7620831
PRA	1.0225919	PRB	.9333767	PRC	1.1542214	L	.1129036	min	.1111295	max	.2287512
Si	3.601809	SAB	2.945638	Sf	3.173405	K	.0017742	z	.0819166	m	.0707107
n	.1131371	gam	22.290742	b-al	16.013382	the	106.01341	phi	112.29076	2-LEVEL THRUST	

N	4.0000000	w1	.1800000	w2	.0800000	w3	.0600000	SF	.0517779	LFr	.8464670
PRA	1.0300000	PRB	.9401746	PRC	1.0235382	L	.1566238	min	.1122092	max	.2156888
Si	4.322165	SAB	3.397662	Sf	3.177242	K	.0444146	z	.0417652	m	.0848528
n	.1131371	gam	22.290742	b-al	18.079681	the	108.07970	phi	112.29076		

N	4.0000000	w1	.1800000	w2	.0900000	w3	.0200000	SF	.0472641	LFr	.7720747
PRA	1.0100000	PRB	1.0257518	PRC	1.0227614	L	.1665249	min	.1199492	max	.2656758
Si	4.322169	SAB	3.099466	Sf	3.175584	K	.0465757	z	.0701103	m	.0282843
n	.1272792	gam	24.443137	b-al	9.928032	the	99.928055	phi	114.44316		

N	4.0000000	w1	.1800000	w2	.0900000	w3	.0400000	SF	.0525265	LFr	.8146448
PRA	1.0200000	PRB	.9780958	PRC	1.0167562	L	.1646271	min	.1239898	max	.2414320
Si	4.322173	SAB	3.224149	Sf	3.179053	K	.0406373	z	.0543093	m	.0565686
n	.1272792	gam	24.443137	b-al	13.967897	the	103.96792	phi	114.44316		

N	4.0000000	w1	.1800000	w2	.0900000	w3	.0600000	SF	.0622578	LFr	.8633757
PRA	1.0300000	PRB	.9433688	PRC	1.0070372	L	.1621609	min	.1265308	max	.2156888
Si	4.322167	SAB	3.353369	Sf	3.185725	K	.0356301	z	.0378500	m	.0848528
n	.1272792	gam	24.443137	b-al	18.079681	the	108.07970	phi	114.44316	2-LEVEL THRUST	

N	4.0000000	w1	.1800000	w2	.1000000	w3	.0200000	SF	.0598717	LFr	.7880764
PRA	1.0100000	PRB	1.0392196	PRC	1.0044819	L	.1723843	min	.1347280	max	.2656758
Si	4.322157	SAB	3.052579	Sf	3.186518	K	.0376563	z	.0659671	m	.0282843
n	.1414214	gam	26.632957	b-al	9.928032	the	99.928055	phi	116.63298	2-LEVEL THRUST	

N	4.0000000	w1	.1800000	w2	.1000000	w3	.0400000	SF	.0651350	LFr	.8312359
PRA	1.0200000	PRB	.9880535	PRC	1.0161446	L	.1704865	min	.1387686	max	.2414320
Si	4.322161	SAB	3.177262	Sf	3.189987	K	.0317179	z	.0501661	m	.0565686
n	.1414214	gam	26.632957	b-al	13.967897	the	103.96792	phi	116.63298	2-LEVEL THRUST	

N	4.0000000	w1	.1800000	w2	.1000000	w3	.0600000	SF	.0748663	LFr	.8806534		
PRA	1.0300000	PRB	.9473064	PRC	1.0205583	L	.1680222	min.	.1413096	max	.2156888		
Si	4.322185	SAB	3.306496	Sf	3.196659	K	.0267126	z	.0337054	m	.0848528		
n	.1414214	gam	26.632957	b-al	18.079681	the	108.07970	phi	116.63298	2-LEVEL THRUST			
N	4.0000000	w1	.1800000	w2	.1100000	w3	.0200000	SF	.0749054	LFr	.8044214		
PRA	1.0100000	PRB	1.0503764	PRC	1.0147188	L	.1785946	min	.1499900	max	.2656758		
Si	4.322159	SAB	3.002899	Sf	3.200599	K	.0286046	z	.0615757	m	.0282843		
n	.1555635	gam	28.865617	b-al	9.928032	the	99.928055	phi	118.86564	2-LEVEL THRUST			
N	4.0000000	w1	.1800000	w2	.1100000	w3	.0400000	SF	.0801678	LFr	.8482418		
PRA	1.0200000	PRB	.9945453	PRC	1.0300694	L	.1766987	min	.1540305	max	.2414320		
Si	4.322194	SAB	3.127597	Sf	3.204069	K	.0226682	z	.0457734	m	.0565686		
n	.1555635	gam	28.865617	b-al	13.967897	the	103.96792	phi	118.86564	2-LEVEL THRUST			
N	4.0000000	w1	.1800000	w2	.1200000	w3	.0200000	SF	.0926743	LFr	.8212366		
PRA	1.0100000	PRB	1.0567028	PRC	1.0325289	L	.1851883	min	.1657656	max	.2656758		
Si	4.322201	SAB	2.950190	Sf	3.218883	K	.0194227	z	.0569132	m	.0282843		
n	.1697056	gam	31.147322	b-al	9.928032	the	99.928055	phi	121.14734	2-LEVEL THRUST			
N	4.0000000	w1	.1800000	w2	.1300000	w3	.0200000	SF	.1135502	LFr	.8386402		
PRA	1.0100000	PRB	1.0567325	PRC	1.0603625	L	.1921959	min	.1820919	max	.2656758		
Si	4.322179	SAB	2.894108	Sf	3.242904	K	.0101040	z	.0519581	m	.0282843		
n	.1838478	gam	33.485349	b-al	9.928032	the	99.928055	phi	123.48537	2-LEVEL THRUST			
N	4.0000000	w1	.2000000	w2	.0400000	w3	.0200000	SF	.0121994	LFr	.7489033		
PRA	1.0100000	PRB	.9695919	PRC	1.261714	L	.1497536	min	.0528552	max	.2453449		
Si	4.322191	SAB	3.233659	Sf	3.145062	K	.0968984	z	.0675933	m	.0282843		
n	.0565685	gam	15.026039	b-al	10.671771	the	100.67179	phi	105.02606				
N	4.0000000	w1	.2000000	w2	.0500000	w3	.0200000	SF	.0166626	LFr	.7654562		
PRA	1.0100000	PRB	.9782413	PRC	1.2174414	L	.1543331	min	.0657501	max	.2453449		
Si	4.322157	SAB	3.196988	Sf	3.146412	K	.0885831	z	.0643551	m	.0282843		
n	.0707107	gam	17.235267	b-al	10.671771	the	100.67179	phi	107.23529				
N	4.0000000	w1	.2000000	w2	.0500000	w3	.0300000	SF	.0190277	LFr	.7311821		
PRA	1.0200000	PRB	.9532974	PRC	1.2141644	L	.0858650	min	.0678055	max	.2332582		
Si	3.241641	SAB	2.718965	Sf	3.147092	K	.0180596	z	.1042227	m	.0424264		
n	.0707107	gam	17.235267	b-al	12.839472	the	102.83949	phi	107.23529	2-LEVEL THRUST			
N	4.0000000	w1	.2000000	w2	.0600000	w3	.0200000	SF	.0224533	LFr	.7819910		
PRA	1.0100000	PRB	.9888134	PRC	1.1744212	L	.1591873	min	.0790639	max	.2453449		
Si	4.322170	SAB	3.158167	Sf	3.148240	K	.0801234	z	.0609226	m	.0282843		
n	.0848528	gam	19.470873	b-al	10.671771	the	100.67179	phi	109.47089				
N	4.0000000	w1	.2000000	w2	.0600000	w3	.0300000	SF	.0248184	LFr	.7410269		
PRA	1.0198518	PRB	.9572196	PRC	1.2276362	L	.0907192	min	.0811193	max	.2332582		
Si	3.241654	SAB	2.679664	Sf	3.148920	K	.0095999	z	.1007903	m	.0424264		
n	.0848528	gam	19.470873	b-al	12.839472	the	102.83949	phi	109.47089	2-LEVEL THRUST			
N	4.0000000	w1	.2000000	w2	.0600000	w3	.0400000	SF	.0280218	LFr	.8251839		
PRA	1.0200000	PRB	.9532283	PRC	1.1521084	L	.1571617	min	.0827771	max	.2207738		
Si	4.322177	SAB	3.283875	Sf	3.149897	K	.0743847	z	.0449805	m	.0565686		
n	.0848528	gam	19.470873	b-al	15.026038	the	105.02606	phi	109.47089				
N	4.0000000	w1	.2000000	w2	.0700000	w3	.0200000	SF	.0297890	LFr	.7985888		
PRA	1.0100000	PRB	1.0005368	PRC	1.1339377	L	.1643391	min	.0928252	max	.2453449		
Si	4.322170	SAB	3.116954	Sf	3.150619	K	.0715139	z	.0572798	m	.0282843		
n	.0989950	gam	21.738146	b-al	10.671771	the	100.67179	phi	111.73817				
N	4.0000000	w1	.2000000	w2	.0700000	w3	.0300000	SF	.0321541	LFr	.7509651		
PRA	1.0164039	PRB	.9576682	PRC	1.252483	L	.0958691	min	.0948806	max	.2332582		
Si	3.241624	SAB	2.627258	Sf	3.151299	K	.0009885	z	.0971488	m	.0424264		
n	.0989950	gam	21.738146	b-al	12.839472	the	102.83949	phi	111.73817	2-LEVEL THRUST			

N	4.0000000	w1	.2000000	w2	.0700000	w3	.0400000	SF	.0353575	LFr	.8422461
PRA	1.0200000	PRB	.9590902	PRC	1.1195099	L	.1623135	min	.0965384	max	.2207738
Si	4.322178	SAB	3.242662	Sf	3.152276	K	.0657751	z	.0413377	m	.0565686
n	.0989950	gam	21.738146	b-al	15.026038	the	105.02606	phi	111.73817		

N	4.0000000	w1	.2000000	w2	.0700000	w3	.0500000	SF	.0398855	LFr	.8113918
PRA	1.0299529	PRB	.9375600	PRC	1.1413834	L	.1160488	min	.0977856	max	.2078789
Si	3.601817	SAB	2.946996	Sf	3.153626	K	.0182632	z	.0649337	m	.0707107
n	.0989950	gam	21.738146	b-al	17.235267	the	107.23529	phi	111.73817	2-LEVEL THRUST	

N	4.0000000	w1	.2000000	w2	.0800000	w3	.0200000	SF	.0388966	LFr	.8153305
PRA	1.0100000	PRB	1.0130979	PRC	1.0963773	L	.1698074	min	.1070488	max	.2453449
Si	4.322166	SAB	3.073203	Sf	3.153711	K	.0627586	z	.0534131	m	.0282843
n	.1131371	gam	24.041817	b-al	10.671771	the	100.67179	phi	114.04184		

N	4.0000000	w1	.2000000	w2	.0800000	w3	.0400000	SF	.0444651	LFr	.8595171
PRA	1.0200000	PRB	.9675656	PRC	1.0865242	L	.1677818	min	.1107620	max	.2207738
Si	4.322174	SAB	3.198911	Sf	3.155368	K	.0570199	z	.0374710	m	.0565686
n	.1131371	gam	24.041817	b-al	15.026038	the	105.02606	phi	114.04184		

N	4.0000000	w1	.2000000	w2	.0800000	w3	.0500000	SF	.0489941	LFr	.8243780
PRA	1.0279220	PRB	.9366959	PRC	1.1637217	L	.1215172	min	.1120092	max	.2078789
Si	3.601812	SAB	2.895930	Sf	3.156719	K	.0095080	z	.0610670	m	.0707107
n	.1131371	gam	24.041817	b-al	17.235267	the	107.23529	phi	114.04184	2-LEVEL THRUST	

N	4.0000000	w1	.2000000	w2	.0800000	w3	.0600000	SF	.0547514	LFr	.9099636
PRA	1.0300000	PRB	.9389490	PRC	1.0624869	L	.1651497	min	.1128375	max	.1945650
Si	4.322163	SAB	3.329454	Sf	3.158546	K	.0523122	z	.0207998	m	.0848528
n	.1131371	gam	24.041817	b-al	19.470873	the	109.47089	phi	114.04184		

N	4.0000000	w1	.2000000	w2	.0900000	w3	.0200000	SF	.0500336	LFr	.8323069
PRA	1.0100000	PRB	1.0263707	PRC	1.0617991	L	.1756191	min	.1217586	max	.2453449
Si	4.322179	SAB	3.026722	Sf	3.157672	K	.0538606	z	.0493036	m	.0282843
n	.1272792	gam	26.387580	b-al	10.671771	the	100.67179	phi	116.38760		

N	4.0000000	w1	.2000000	w2	.0900000	w3	.0400000	SF	.0556021	LFr	.8770933
PRA	1.0200000	PRB	.9775975	PRC	1.0548442	L	.1735935	min	.1254717	max	.2207738
Si	4.322186	SAB	3.152430	Sf	3.159329	K	.0481218	z	.0333615	m	.0565686
n	.1272792	gam	26.387580	b-al	15.026038	the	105.02606	phi	116.38760		

N	4.0000000	w1	.2000000	w2	.0900000	w3	.0500000	SF	.0601311	LFr	.8377066
PRA	1.0212943	PRB	.9341381	PRC	1.1974697	L	.1273270	min	.1267190	max	.2078789
Si	3.601795	SAB	2.825562	Sf	3.160680	K	.0006080	z	.0569588	m	.0707107
n	.1272792	gam	26.387580	b-al	17.235267	the	107.23529	phi	116.38760	2-LEVEL THRUST	

N	4.0000000	w1	.2000000	w2	.1000000	w3	.0200000	SF	.0634642	LFr	.8496246
PRA	1.0100000	PRB	1.0403188	PRC	1.0301663	L	.1818028	min	.1369839	max	.2453449
Si	4.322183	SAB	2.977257	Sf	3.162731	K	.0448189	z	.0449311	m	.0282843
n	.1414214	gam	28.782028	b-al	10.671771	the	100.67179	phi	118.78205		

N	4.0000000	w1	.2000000	w2	.1000000	w3	.0400000	SF	.0690327	LFr	.8950863
PRA	1.0200000	PRB	.9887989	PRC	1.0313471	L	.1797772	min	.1406970	max	.2207738
Si	4.322190	SAB	3.102965	Sf	3.164388	K	.0390801	z	.0289890	m	.0565686
n	.1414214	gam	28.782028	b-al	15.026038	the	105.02606	phi	118.78205	2-LEVEL THRUST	

N	4.0000000	w1	.2000000	w2	.1100000	w3	.0200000	SF	.0794983	LFr	.8674097
PRA	1.0100000	PRB	1.0539821	PRC	1.0281590	L	.1883926	min	.1527600	max	.2453449
Si	4.322157	SAB	2.924512	Sf	3.169181	K	.0356327	z	.0402713	m	.0282843
n	.1555635	gam	31.232814	b-al	10.671771	the	100.67179	phi	121.23283	2-LEVEL THRUST	

N	4.0000000	w1	.2000000	w2	.1200000	w3	.0200000	SF	.0985108	LFr	.8858233
PRA	1.0100000	PRB	1.0639863	PRC	1.0411986	L	.1954346	min	.1691289	max	.2453449
Si	4.322159	SAB	2.868179	Sf	3.177429	K	.0263057	z	.0352919	m	.0282843
n	.1697056	gam	33.748912	b-al	10.671771	the	100.67179	phi	123.74893	2-LEVEL THRUST	

N	4.0000000	wl	.2200000	w2	.0400000	w3	.0200000	SF	.0131073	LFr	.8006687
PRA	1.0100000	PRB	.9689667	PRC	1.328085	L	.1578941	min	.0532410	max	.2249610
Si	4.322179	SAB	3.168522	Sf	3.141607	K	.1046531	z	.0474234	m	.0282843
n	.0565685	gam	16.260141	b-al	11.536790	the	101.53681	phi	106.26016		
N	4.0000000	wl	.2200000	w2	.0500000	w3	.0200000	SF	.0179291	LFr	.8182135
PRA	1.0100000	PRB	.9777794	PRC	1.278800	L	.1626358	min	.0663886	max	.2249610
Si	4.322130	SAB	3.130540	Sf	3.141609	K	.0962472	z	.0440706	m	.0282843
n	.0707107	gam	18.662907	b-al	11.536790	the	101.53681	phi	108.66293		
N	4.0000000	wl	.2200000	w2	.0500000	w3	.0300000	SF	.0204744	LFr	.7849283
PRA	1.0200000	PRB	.9522171	PRC	1.264053	L	.0941010	min	.0682703	max	.2127006
Si	3.241638	SAB	2.653075	Sf	3.141606	K	.0258306	z	.0838626	m	.0424264
n	.0707107	gam	18.662907	b-al	13.886410	the	103.88643	phi	108.66293		
N	4.0000000	wl	.2200000	w2	.0600000	w3	.0200000	SF	.0241947	LFr	.8358002
PRA	1.0100000	PRB	.9885671	PRC	1.2309815	L	.1676903	min	.0800013	max	.2249610
Si	4.322173	SAB	3.090147	Sf	3.141622	K	.0876890	z	.0404965	m	.0282843
n	.0848528	gam	21.099817	b-al	11.536790	the	101.53681	phi	111.09984		
N	4.0000000	wl	.2200000	w2	.0600000	w3	.0300000	SF	.0267391	LFr	.7958555
PRA	1.0200000	PRB	.9599297	PRC	1.252651	L	.0991535	min	.0818831	max	.2127006
Si	3.241650	SAB	2.612666	Sf	3.141619	K	.0172705	z	.0802899	m	.0424264
n	.0848528	gam	21.099817	b-al	13.886410	the	103.88643	phi	111.09984	2-LEVEL THRUST	
N	4.0000000	wl	.2200000	w2	.0600000	w3	.0400000	SF	.0302105	LFr	.8810854
PRA	1.0200000	PRB	.9522564	PRC	1.2061064	L	.1655159	min	.0833287	max	.2000041
Si	4.322162	SAB	3.217027	Sf	3.141617	K	.0821872	z	.0243868	m	.0565686
n	.0848528	gam	21.099817	b-al	16.260141	the	106.26016	phi	111.09984		
N	4.0000000	wl	.2200000	w2	.0700000	w3	.0200000	SF	.0321522	LFr	.8535147
PRA	1.0100000	PRB	1.0005491	PRC	1.1860065	L	.1730805	min	.0941121	max	.2249610
Si	4.322167	SAB	3.047019	Sf	3.141618	K	.0789684	z	.0366851	m	.0282843
n	.0989950	gam	23.577850	b-al	11.536790	the	101.53681	phi	113.57787		
N	4.0000000	wl	.2200000	w2	.0700000	w3	.0300000	SF	.0346975	LFr	.8069468
PRA	1.0196965	PRB	.9639776	PRC	1.268812	L	.1045437	min	.0959938	max	.2127006
Si	3.241644	SAB	2.568555	Sf	3.141615	K	.0085499	z	.0764785	m	.0424264
n	.0989950	gam	23.577850	b-al	13.886410	the	103.88643	phi	113.57787	2-LEVEL THRUST	
N	4.0000000	wl	.2200000	w2	.0700000	w3	.0400000	SF	.0381680	LFr	.8993406
PRA	1.0200000	PRB	.9582041	PRC	1.1698561	L	.1709080	min	.0974395	max	.2000041
Si	4.322186	SAB	3.173915	Sf	3.141613	K	.0734685	z	.0205741	m	.0565686
n	.0989950	gam	23.577850	b-al	16.260141	the	106.26016	phi	113.57787		
N	4.0000000	wl	.2200000	w2	.0700000	w3	.0500000	SF	.0430508	LFr	.8696413
PRA	1.0300000	PRB	.9377563	PRC	1.1635918	L	.1245537	min	.0984340	max	.1868565
Si	3.601826	SAB	2.879137	Sf	3.141615	K	.0261197	z	.0440547	m	.0707107
n	.0989950	gam	23.577850	b-al	18.662906	the	108.66293	phi	113.57787	2-LEVEL THRUST	
N	4.0000000	wl	.2200000	w2	.0800000	w3	.0200000	SF	.0420628	LFr	.8714619
PRA	1.0100000	PRB	1.0134131	PRC	1.1442396	L	.1788349	min	.1087425	max	.2249610
Si	4.322166	SAB	3.000983	Sf	3.141616	K	.0700924	z	.0326161	m	.0282843
n	.1131371	gam	26.103604	b-al	11.536790	the	101.53681	phi	116.10363		
N	4.0000000	wl	.2200000	w2	.0800000	w3	.0400000	SF	.0480785	LFr	.9178963
PRA	1.0200000	PRB	.9668290	PRC	1.1331410	L	.1766625	min	.1120699	max	.2000041
Si	4.322186	SAB	3.127879	Sf	3.141611	K	.0645926	z	.0165050	m	.0565686
n	.1131371	gam	26.103604	b-al	16.260141	the	106.26016	phi	116.10363		
N	4.0000000	wl	.2200000	w2	.0800000	w3	.0500000	SF	.0529604	LFr	.8839579
PRA	1.0298780	PRB	.9390027	PRC	1.1811191	L	.1303063	min	.1130644	max	.1868565
Si	3.601795	SAB	2.832645	Sf	3.141613	K	.0172418	z	.0399871	m	.0707107
n	.1131371	gam	26.103604	b-al	18.662906	the	108.66293	phi	116.10363	2-LEVEL THRUST	

N	4.0000000	w1	.2200000	w2	.0900000	w3	.0200000	SF	.0542164	LFr	.8897543
PRA	1.0100000	PRB	1.0270404	PRC	1.1056891	L	.1849880	min	.1239257	max	.2249610
Si	4.322175	SAB	2.951767	Sf	3.141615	K	.0610624	z	.0282652	m	.0282843
n	.1272792	gam	28.685167	b-al	11.536790	the	101.53681	phi	118.68519		
N	4.0000000	w1	.2200000	w2	.0900000	w3	.0400000	SF	.0602322	LFr	.9368849
PRA	1.0200000	PRB	.9770607	PRC	1.0977840	L	.1828156	min	.1272530	max	.2000041
Si	4.322194	SAB	3.078662	Sf	3.141609	K	.0555625	z	.0121541	m	.0565686
n	.1272792	gam	28.685167	b-al	16.260141	the	106.26016	phi	118.68519		
N	4.0000000	w1	.2200000	w2	.1000000	w3	.0200000	SF	.0689364	LFr	.9085274
PRA	1.0100000	PRB	1.0414067	PRC	1.0702426	L	.1915798	min	.1397019	max	.2249610
Si	4.322176	SAB	2.899034	Sf	3.141613	K	.0518779	z	.0236041	m	.0282843
n	.1414214	gam	31.332067	b-al	11.536790	the	101.53681	phi	121.33209		
N	4.0000000	w1	.2400000	w2	.0400000	w3	.0200000	SF	.0143757	LFr	.8493538
PRA	1.0100000	PRB	.9683103	PRC	1.402270	L	.1660996	min	.0537008	max	.2045089
Si	4.322182	SAB	3.102881	Sf	3.138155	K	.1123987	z	.0271595	m	.0282843
n	.0565685	gam	17.718849	b-al	12.555675	the	102.55570	phi	107.71887		
N	4.0000000	w1	.2400000	w2	.0500000	w3	.0200000	SF	.0197001	LFr	.8679400
PRA	1.0100000	PRB	.9772919	PRC	1.347241	L	.1710453	min	.0671530	max	.2045089
Si	4.322195	SAB	3.063329	Sf	3.136800	K	.1038923	z	.0236624	m	.0282843
n	.0707107	gam	20.354386	b-al	12.555675	the	102.55570	phi	110.35441		
N	4.0000000	w1	.2400000	w2	.0500000	w3	.0300000	SF	.0224953	LFr	.8356781
PRA	1.0200000	PRB	.9509866	PRC	1.330787	L	.1024265	min	.0688278	max	.1920416
Si	3.241633	SAB	2.586465	Sf	3.136118	K	.0335987	z	.0633674	m	.0424264
n	.0707107	gam	20.354386	b-al	15.121537	the	105.12156	phi	110.35441		
N	4.0000000	w1	.2400000	w2	.0600000	w3	.0200000	SF	.0266399	LFr	.8866358
PRA	1.0100000	PRB	.9883052	PRC	1.293997	L	.1763420	min	.0811282	max	.2045089
Si	4.322184	SAB	3.020944	Sf	3.135001	K	.0952139	z	.0199170	m	.0282843
n	.0848528	gam	23.035286	b-al	12.555675	the	102.55570	phi	113.03531		
N	4.0000000	w1	.2400000	w2	.0600000	w3	.0300000	SF	.0294352	LFr	.8477507
PRA	1.0200000	PRB	.9599420	PRC	1.283700	L	.1077232	min	.0828030	max	.1920416
Si	3.241622	SAB	2.544080	Sf	3.134320	K	.0249203	z	.0596221	m	.0424264
n	.0848528	gam	23.035286	b-al	15.121537	the	105.12156	phi	113.03531		
N	4.0000000	w1	.2400000	w2	.0600000	w3	.0400000	SF	.0332823	LFr	.9341173
PRA	1.0200000	PRB	.9512283	PRC	1.266292	L	.1739979	min	.0839957	max	.1790922
Si	4.322202	SAB	3.149211	Sf	3.133341	K	.0900022	z	.0036022	m	.0565686
n	.0848528	gam	23.035286	b-al	17.718849	the	107.71887	phi	113.03531		
N	4.0000000	w1	.2400000	w2	.0700000	w3	.0200000	SF	.0354939	LFr	.9055529
PRA	1.0100000	PRB	1.0005622	PRC	1.2440173	L	.1820316	min	.0956663	max	.2045089
Si	4.322191	SAB	2.975435	Sf	3.132615	K	.0863653	z	.0158938	m	.0282843
n	.0989950	gam	25.771112	b-al	12.555675	the	102.55570	phi	115.77113		
N	4.0000000	w1	.2400000	w2	.0700000	w3	.0300000	SF	.0382900	LFr	.8600903
PRA	1.0200000	PRB	.9687452	PRC	1.293932	L	.1134129	min	.0973411	max	.1920416
Si	3.241629	SAB	2.498571	Sf	3.131934	K	.0160717	z	.0555989	m	.0424264
n	.0989950	gam	25.771112	b-al	15.121537	the	105.12156	phi	115.77113	2-LEVEL THRUST	
N	4.0000000	w1	.2400000	w2	.0800000	w3	.0200000	SF	.0465756	LFr	.9248161
PRA	1.0100000	PRB	1.0137545	PRC	1.1976446	L	.1881466	min	.1108003	max	.2045089
Si	4.322161	SAB	2.926485	Sf	3.129522	K	.0773463	z	.0115699	m	.0282843
n	.1131371	gam	28.571587	b-al	12.555675	the	102.55570	phi	118.57161		
N	4.0000000	w1	.2400000	w2	.0800000	w3	.0300000	SF	.0493717	LFr	.8728180
PRA	1.0193740	PRB	.9713049	PRC	1.316092	L	.1195297	min	.1124752	max	.1920416
Si	3.241630	SAB	2.447607	Sf	3.128840	K	.0070546	z	.0512736	m	.0424264
n	.1131371	gam	28.571587	b-al	15.121537	the	105.12156	phi	118.57161	2-LEVEL THRUST	

N	4.0000000	w1	.2400000	w2	.0900000	w3	.0200000	SF	.0602341	IFr	.9445801
PRA	1.0100000	PRB	1.0277743	PRC	1.1548317	L	.1947403	min	.1265771	max	.2045089
Si	4.322186	SAB	2.873760	Sf	3.125557	K	.0681633	z	.0069075	m	.0282843
n	.1272792	gam	31.448751	b-al	12.555675	the	102.55570	phi	121.44877		

N	5.0000000	wl	.0600000	w2	.0400000	w3	.0200000	SF	.0178223	LFr	.3493090
PRA	.9900000	PRB	.9546219	PRC	.9427053	L	.1386414	min	.0645368	max	.3794580
Si	5.650636	SAB	4.272701	Sf	3.269053	K	.0741046	z	.1415484	m	.0340261
n	.0680521	gam	9.830318	b-al	7.004632	the	97.004655	phi	99.830342		

N	5.0000000	wl	.0800000	w2	.0400000	w3	.0200000	SF	.0156870	LFr	.4231720
PRA	.9900000	PRB	.9539334	PRC	.9618884	L	.1450253	min	.0646905	max	.3592946
Si	5.650614	SAB	4.208839	Sf	3.214219	K	.0803348	z	.1259444	m	.0340261
n	.0680521	gam	10.339847	b-al	7.365781	the	97.365804	phi	100.33987		

N	5.0000000	wl	.0800000	w2	.0500000	w3	.0200000	SF	.0216103	LFr	.4410229
PRA	.9900000	PRB	.9535540	PRC	.9438193	L	.1494789	min	.0804200	max	.3592946
Si	5.650615	SAB	4.161304	Sf	3.249342	K	.0690589	z	.1233266	m	.0340261
n	.0850651	gam	11.836985	b-al	7.365781	the	97.365804	phi	101.83701		

N	5.0000000	wl	.0800000	w2	.0500000	w3	.0300000	SF	.0246506	LFr	.6094523
PRA	.9900000	PRB	.9590777	PRC	.9378809	L	.2881947	min	.0822317	max	.3440933
Si	8.475929	SAB	5.606699	Sf	3.263910	K	.2059629	z	.0328564	m	.0510391
n	.0850651	gam	11.836985	b-al	8.849800	the	98.849823	phi	101.83701		

N	5.0000000	wl	.0800000	w2	.0600000	w3	.0200000	SF	.0295048	LFr	.4582625
PRA	.9900000	PRB	.9548074	PRC	.9309765	L	.1540928	min	.0964140	max	.3592946
Si	5.650632	SAB	4.118182	Sf	3.305184	K	.0576789	z	.1206146	m	.0340261
n	.1020781	gam	13.342119	b-al	7.365781	the	97.365804	phi	103.34214		

N	5.0000000	wl	.0800000	w2	.0600000	w3	.0300000	SF	.0325451	LFr	.6447106
PRA	.9900000	PRB	.9579449	PRC	.9283814	L	.2928085	min	.0982257	max	.3440933
Si	8.475946	SAB	5.560577	Sf	3.319752	K	.1945829	z	.0301444	m	.0510391
n	.1020781	gam	13.342119	b-al	8.849800	the	98.849823	phi	103.34214		

N	5.0000000	wl	.0800000	w2	.0600000	w3	.0400000	SF	.0366650	LFr	.5087652
PRA	.9800000	PRB	.9370710	PRC	.9234104	L	.1488819	min	.0997753	max	.3286299
Si	5.650623	SAB	4.178759	Sf	3.342450	K	.0491066	z	.1056532	m	.0680521
n	.1020781	gam	13.342119	b-al	10.339847	the	100.33987	phi	103.34214		

N	5.0000000	wl	.1000000	w2	.0400000	w3	.0200000	SF	.0145636	LFr	.4938679
PRA	.9900000	PRB	.9532223	PRC	.9915832	L	.1514225	min	.0648615	max	.3391140
Si	5.650600	SAB	4.144853	Sf	3.188261	K	.0865610	z	.1103223	m	.0340261
n	.0680521	gam	10.905430	b-al	7.766312	the	97.766335	phi	100.90545		

N	5.0000000	wl	.1000000	w2	.0500000	w3	.0200000	SF	.0199490	LFr	.5126143
PRA	.9900000	PRB	.9528217	PRC	.9675492	L	.1559429	min	.0807010	max	.3391140
Si	5.650618	SAB	4.099666	Sf	3.208675	K	.0752420	z	.1076653	m	.0340261
n	.0850651	gam	12.486886	b-al	7.766312	the	97.766335	phi	102.48691		

N	5.0000000	wl	.1000000	w2	.0500000	w3	.0300000	SF	.0227661	LFr	.4661026
PRA	.9767051	PRB	.9269409	PRC	1.0182294	L	.0827274	min	.0824350	max	.3238351
Si	4.237969	SAB	3.409447	Sf	3.217968	K	.0002924	z	.1417195	m	.0510391
n	.0850651	gam	12.486886	b-al	9.332330	the	99.332353	phi	102.48691	2-LEVEL THRUST	

N	5.0000000	wl	.1000000	w2	.0500000	w3	.0300000	SF	.0227661	LFr	.6819391
PRA	.9900000	PRB	.9586028	PRC	.9595827	L	.2946243	min	.0824350	max	.3238351
Si	8.475907	SAB	5.542380	Sf	3.217968	K	.2121893	z	.0171697	m	.0510391
n	.0850651	gam	12.486886	b-al	9.332330	the	99.332353	phi	102.48691		

N	5.0000000	wl	.1000000	w2	.0600000	w3	.0200000	SF	.0269890	LFr	.5307675
PRA	.9900000	PRB	.9540777	PRC	.9459058	L	.1606312	min	.0968210	max	.3391140
Si	5.650579	SAB	4.052745	Sf	3.238293	K	.0638102	z	.1049096	m	.0340261
n	.1020781	gam	14.077758	b-al	7.766312	the	97.766335	phi	104.07778		

N	5.0000000	wl	.1000000	w2	.0600000	w3	.0300000	SF	.0298061	LFr	.7181301
PRA	.9900000	PRB	.9574469	PRC	.9416065	L	.2993164	min	.0985551	max	.3238351
Si	8.475944	SAB	5.495497	Sf	3.247586	K	.2007614	z	.0144117	m	.0510391
n	.1020781	gam	14.077758	b-al	9.332330	the	99.332353	phi	104.07778		

N	5.0000000	w1	.1000000	w2	.0600000	w3	.0400000	SF	.0335865	LFr	.5831318
PRA	.9800000	PRB	.9360812	PRC	.9338311	L	.1553497	min	.1000112	max	.3082782
Si	5.650593	SAB	4.114051	Sf	3.261547	K	.0553385	z	.0898891	m	.0680521
n	.1020781	gam	14.077758	b-al	10.905430	the	100.90545	phi	104.07778		
N	5.0000000	w1	.1000000	w2	.0700000	w3	.0200000	SF	.0360470	LFr	.5484038
PRA	.9900000	PRB	.9562068	PRC	.9287552	L	.1655121	min	.1132457	max	.3391140
Si	5.650604	SAB	4.003961	Sf	3.281659	K	.0522664	z	.1020407	m	.0340261
n	.1190912	gam	15.680121	b-al	7.766312	the	97.766335	phi	105.68014		
N	5.0000000	w1	.1000000	w2	.0700000	w3	.0300000	SF	.0388641	LFr	.7538242
PRA	.9900000	PRB	.9578060	PRC	.9264643	L	.3041973	min	.1149798	max	.3238351
Si	8.475969	SAB	5.446712	Sf	3.290952	K	.1892175	z	.0115428	m	.0510391
n	.1190912	gam	15.680121	b-al	9.332330	the	99.332353	phi	105.68014		
N	5.0000000	w1	.1000000	w2	.0700000	w3	.0400000	SF	.0426445	LFr	.6009312
PRA	.9800000	PRB	.9330221	PRC	.9225209	L	.1602306	min	.1164360	max	.3082782
Si	5.650618	SAB	4.065267	Sf	3.304913	K	.0437947	z	.0870202	m	.0680521
n	.1190912	gam	15.680121	b-al	10.905430	the	100.90545	phi	105.68014		
N	5.0000000	w1	.1000000	w2	.0700000	w3	.0500000	SF	.0481444	LFr	.7378025
PRA	.9800000	PRB	.9386427	PRC	.9155011	L	.2280502	min	.1176097	max	.2924390
Si	7.063276	SAB	4.803968	Sf	3.325327	K	.1104405	z	.0378467	m	.0850651
n	.1190912	gam	15.680121	b-al	12.486886	the	102.48691	phi	105.68014		
N	5.0000000	w1	.1000000	w2	.0800000	w3	.0200000	SF	.0475273	LFr	.5655689
PRA	.9900000	PRB	.9588673	PRC	.9185956	L	.1705856	min	.1299718	max	.3391140
Si	5.650652	SAB	3.953273	Sf	3.347786	K	.0406139	z	.0990585	m	.0340261
n	.1361042	gam	17.295137	b-al	7.766312	the	97.766335	phi	107.29516		
N	5.0000000	w1	.1000000	w2	.0800000	w3	.0300000	SF	.0503445	LFr	.7890682
PRA	.9900000	PRB	.9589700	PRC	.9175069	L	.3092652	min	.1317059	max	.3238351
Si	8.475902	SAB	5.395967	Sf	3.357079	K	.1775593	z	.0085640	m	.0510391
n	.1361042	gam	17.295137	b-al	9.332330	the	99.332353	phi	107.29516		
N	5.0000000	w1	.1000000	w2	.0800000	w3	.0400000	SF	.0541248	LFr	.6183081
PRA	.9800000	PRB	.9323354	PRC	.9156829	L	.1653023	min	.1331620	max	.3082782
Si	5.650627	SAB	4.014560	Sf	3.371040	K	.0321403	z	.0840391	m	.0680521
n	.1361042	gam	17.295137	b-al	10.905430	the	100.90545	phi	107.29516		
N	5.0000000	w1	.1000000	w2	.0800000	w3	.0500000	SF	.0596256	LFr	.7643109
PRA	.9800000	PRB	.9349957	PRC	.9125758	L	.2331219	min	.1343358	max	.2924390
Si	7.063286	SAB	4.753261	Sf	3.391454	K	.0987861	z	.0348657	m	.0850651
n	.1361042	gam	17.295137	b-al	12.486886	the	102.48691	phi	107.29516		
N	5.0000000	w1	.1000000	w2	.0800000	w3	.0600000	SF	.0666075	LFr	6780205
PRA	.9700000	PRB	.9203762	PRC	.9109495	L	.1595650	min	.1352286	max	2763188
Si	5.650616	SAB	4.080399	Sf	3.421073	K	.0243364	z	.0686262	m	.1020781
n	.1361042	gam	17.295137	b-al	14.077758	the	104.07778	phi	107.29516	2-LEVEL THRUST	
N	5.0000000	w1	.1200000	w2	.0400000	w3	.0200000	SF	.0140133	LFr	.5614014
PRA	.9900000	PRB	.9524871	PRC	1.0272610	L	.1578369	min	.0650531	max	.3189135
Si	5.650618	SAB	4.080726	Sf	3.173178	K	.0927838	z	.0946784	m	.0340261
n	.0680521	gam	11.536921	b-al	8.213082	the	98.213105	phi	101.53694		
N	5.0000000	w1	.1200000	w2	.0500000	w3	.0200000	SF	.0191431	LFr	.5810547
PRA	.9900000	PRB	.9520631	PRC	.9989474	L	.1624298	min	.0810151	max	.3189135
Si	5.650604	SAB	4.034783	Sf	3.186323	K	.0814148	z	.0919788	m	.0340261
n	.0850651	gam	13.212954	b-al	8.213082	the	98.213105	phi	103.21298		
N	5.0000000	w1	.1200000	w2	.0500000	w3	.0300000	SF	.0218535	LFr	.5354548
PRA	.9797256	PRB	.9290532	PRC	1.0234198	L	.0891781	min	.0826616	max	.3035470
Si	4.237969	SAB	3.357742	Sf	3.192579	K	.0065165	z	.1260029	m	.0510391
n	.0850651	gam	13.212954	b-al	9.870816	the	99.870839	phi	103.21298	2-LEVEL THRUST	

N	5.0000000	w1	.1200000	w2	.0500000	w3	.0300000	SF	.0218535	LFr	.7512932
PRA	.9900000	PRB	.9581154	PRC	.9894072	L	.3010769	min	.0826616	max	.3035470
Si	8.475945	SAB	5.477892	Sf	3.192579	K	.2184153	z	.0014519	m	.0510391
n	.0850651	gam	13.212954	b-al	9.870816	the	99.870839	phi	103.21298		

N	5.0000000	w1	.1200000	w2	.0600000	w3	.0200000	SF	.0258045	LFr	.6001482
PRA	.9900000	PRB	.9533206	PRC	.9721414	L	.1672115	min	.0972794	max	.3189135
Si	5.650649	SAB	3.987012	Sf	3.204694	K	.0699322	z	.0891681	m	.0340261
n	.1020781	gam	14.900327	b-al	8.213082	the	98.213105	phi	104.90035		

N	5.0000000	w1	.1200000	w2	.0600000	w3	.0400000	SF	.0321350	LFr	.6544018
PRA	.9800000	PRB	.9350556	PRC	.9568558	L	.1618481	min	.1002781	max	.2878862
Si	5.650611	SAB	4.049086	Sf	3.220176	K	.0615700	z	.0740833	m	.0680521
n	.1020781	gam	14.900327	b-al	11.536921	the	101.53694	phi	104.90035		

N	5.0000000	w1	.1200000	w2	.0700000	w3	.0200000	SF	.0342875	LFr	.6187458
PRA	.9900000	PRB	.9554639	PRC	.9483593	L	.1721916	min	.1138664	max	.3189135
Si	5.650605	SAB	3.937166	Sf	3.230123	K	.0583252	z	.0862409	m	.0340261
n	.1190912	gam	16.601296	b-al	8.213082	the	98.213105	phi	106.60132		

N	5.0000000	w1	.1200000	w2	.0700000	w3	.0400000	SF	.0406180	LFr	.6732054
PRA	.9800000	PRB	.9319166	PRC	.9394561	L	.1668301	min	.1168652	max	.2878862
Si	5.650605	SAB	3.999259	Sf	3.245606	K	.0499649	z	.0711550	m	.0680521
n	.1190912	gam	16.601296	b-al	11.536921	the	101.53694	phi	106.60132		

N	5.0000000	w1	.1200000	w2	.0700000	w3	.0500000	SF	.0458555	LFr	.8110743
PRA	.9800000	PRB	.9377943	PRC	.9299341	L	.2346020	min	.1179162	max	.2719242
Si	7.063280	SAB	4.738454	Sf	3.258751	K	.1166858	z	.0219375	m	.0850651
n	.1190912	gam	16.601296	b-al	13.212954	the	103.21298	phi	106.60132		

N	5.0000000	w1	.1200000	w2	.0800000	w3	.0200000	SF	.0448914	LFr	.6369152
PRA	.9900000	PRB	.9581472	PRC	.9286166	L	.1773834	min	.1307780	max	.3189135
Si	5.650619	SAB	3.885263	Sf	3.265513	K	.0466055	z	.0831893	m	.0340261
n	.1361042	gam	18.317487	b-al	8.213082	the	98.213105	phi	108.31751		

N	5.0000000	w1	.1200000	w2	.0800000	w3	.0400000	SF	.0512219	LFr	.6916323
PRA	.9800000	PRB	.9311835	PRC	.9233925	L	.1720219	min	.1337767	max	.2878862
Si	5.650619	SAB	3.947356	Sf	3.280995	K	.0382452	z	.0681033	m	.0680521
n	.1361042	gam	18.317487	b-al	11.536921	the	101.53694	phi	108.31751		

N	5.0000000	w1	.1200000	w2	.0800000	w3	.0500000	SF	.0564594	LFr	.8386545
PRA	.9800000	PRB	.9340704	PRC	.9181393	L	.2397938	min	.1348278	max	.2719242
Si	7.063294	SAB	4.686550	Sf	3.294140	K	.1049660	z	.0188858	m	.0850651
n	.1361042	gam	18.317487	b-al	13.212954	the	103.21298	phi	108.31751		

N	5.0000000	w1	.1200000	w2	.0800000	w3	.0600000	SF	.0630674	LFr	.7534390
PRA	.9700000	PRB	.9190235	PRC	.9092659	L	.1661816	min	.1355765	max	.2556599
Si	5.650618	SAB	4.014235	Sf	3.312511	K	.0306051	z	.0525940	m	.1020781
n	.1361042	gam	18.317487	b-al	14.900326	the	104.90035	phi	108.31751		

N	5.0000000	w1	.1200000	w2	.0900000	w3	.0200000	SF	.0579672	LFr	.6547108
PRA	.9900000	PRB	.9612021	PRC	.9141289	L	.1827946	min	.1480233	max	.3189135
Si	5.650632	SAB	3.831164	Sf	3.315763	K	.0347713	z	.0800087	m	.0340261
n	.1531172	gam	20.050887	b-al	8.213082	the	98.213105	phi	110.05091		

N	5.0000000	w1	.1200000	w2	.0900000	w3	.0400000	SF	.0642977	LFr	.7097359
PRA	.9800000	PRB	.9317050	PRC	.9183691	L	.1774311	min	.1510220	max	.2878862
Si	5.650593	SAB	3.893238	Sf	3.331245	K	.0264091	z	.0649238	m	.0680521
n	.1531172	gam	20.050887	b-al	11.536921	the	101.53694	phi	110.05091	2-LEVEL	THRUST

N	5.0000000	w1	.1200000	w2	.0900000	w3	.0500000	SF	.0695353	LFr	.8659449
PRA	.9800000	PRB	.9326926	PRC	.9083663	L	.2452030	min	.1520731	max	.2719242
Si	7.063269	SAB	4.632432	Sf	3.344391	K	.0931299	z	.0157063	m	.0850651
n	.1531172	gam	20.050887	b-al	13.212954	the	103.21298	phi	110.05091		

N	5.0000000	w1	.1200000	w2	.0900000	w3	.0600000	SF	.0761433	LFr	.7719507
PRA	.9700363	PRB	.9112514	PRC	.9318055	L	.1715927	min	.1528218	max	.2556599
Si	5.650630	SAB	3.960341	Sf	3.362762	K	.0187709	z	.0494134	m	.1020781
n	.1531172	gam	20.050887	b-al	14.900326	the	104.90035	phi	110.05091	2-LEVEL THRUST	

N	5.0000000	w1	.1200000	w2	.1000000	w3	.0200000	SF	.0739727	LFr	.6721888
PRA	.9900000	PRB	.9631579	PRC	.9325564	L	.1884346	min	.1656126	max	.3189135
Si	5.650601	SAB	3.774733	Sf	3.390461	K	.0228220	z	.0766935	m	.0340261
n	.1701302	gam	21.803625	b-al	8.213082	the	98.213105	phi	111.80365	2-LEVEL THRUST	

N	5.0000000	w1	.1200000	w2	.1000000	w3	.0400000	SF	.0803032	LFr	.7275877
PRA	.9800000	PRB	.9273250	PRC	.9572678	L	.1830731	min	.1686113	max	.2878862
Si	5.650601	SAB	3.836826	Sf	3.405944	K	.0144617	z	.0616076	m	.0680521
n	.1701302	gam	21.803625	b-al	11.536921	the	101.53694	phi	111.80365	2-LEVEL THRUST	

N	5.0000000	w1	.1200000	w2	.1000000	w3	.0500000	SF	.0855408	LFr	.8930101
PRA	.9800000	PRB	.9325948	PRC	.9043614	L	.2508450	min	.1696624	max	.2719242
Si	7.063276	SAB	4.576020	Sf	3.419089	K	.0811826	z	.0123901	m	.0850651
n	.1701302	gam	21.803625	b-al	13.212954	the	103.21298	phi	111.80365		

N	5.0000000	w1	.1400000	w2	.0400000	w3	.0200000	SF	.0138550	LFr	.6257830
PRA	.9900000	PRB	.9517264	PRC	1.0677824	L	.1642685	min	.0652678	max	.2986883
Si	5.650617	SAB	4.016410	Sf	3.163288	K	.0990007	z	.0790100	m	.0340261
n	.0680521	gam	12.246622	b-al	8.714620	the	98.714643	phi	102.24664		

N	5.0000000	w1	.1400000	w2	.0500000	w3	.0200000	SF	.0189114	LFr	.6463604
PRA	.9900000	PRB	.9512762	PRC	1.0356444	L	.1689491	min	.0813703	max	.2986883
Si	5.650639	SAB	3.969626	Sf	3.172057	K	.0875788	z	.0762588	m	.0340261
n	.0850651	gam	14.029656	b-al	8.714620	the	98.714643	phi	104.02968		

N	5.0000000	w1	.1400000	w2	.0500000	w3	.0300000	SF	.0215883	LFr	.6016808
PRA	.9800000	PRB	.9300326	PRC	1.0367864	L	.0956535	min	.0829201	max	.2832250
Si	4.237936	SAB	3.294117	Sf	3.176336	K	.0127335	z	.1102518	m	.0510391
n	.0850651	gam	14.029656	b-al	10.475587	the	100.47561	phi	104.02968	2-LEVEL THRUST	

N	5.0000000	w1	.1400000	w2	.0600000	w3	.0200000	SF	.0254498	LFr	.6664076
PRA	.9900000	PRB	.9525324	PRC	1.0046603	L	.1738281	min	.0977961	max	.2986883
Si	5.650612	SAB	3.920808	Sf	3.184098	K	.0760321	z	.0733910	m	.0340261
n	.1020781	gam	15.826319	b-al	8.714620	the	98.714643	phi	105.82634		

N	5.0000000	w1	.1400000	w2	.0600000	w3	.0300000	SF	.0281258	LFr	.6128235
PRA	.9774175	PRB	.9187992	PRC	1.0728930	L	.1005364	min	.0993459	max	.2832250
Si	4.237984	SAB	3.234393	Sf	3.188377	K	.0011905	z	.1073817	m	.0510391
n	.1020781	gam	15.826319	b-al	10.475587	the	100.47561	phi	105.82634	2-LEVEL THRUST	

N	5.0000000	w1	.1400000	w2	.0600000	w3	.0400000	SF	.0317030	LFr	.7225895
PRA	.9800000	PRB	.9339911	PRC	.9866706	L	.1683788	min	.1005802	max	.2674464
Si	5.650616	SAB	3.983783	Sf	3.194626	K	.0677986	z	.0582304	m	.0680521
n	.1020781	gam	15.826319	b-al	12.246622	the	102.24664	phi	105.82634		

N	5.0000000	w1	.1400000	w2	.0700000	w3	.0200000	SF	.0337458	LFr	.6860008
PRA	.9900000	PRB	.9546885	PRC	.9762152	L	.1789284	min	.1145691	max	.2986883
Si	5.650589	SAB	3.869783	Sf	3.200314	K	.0643593	z	.0703931	m	.0340261
n	.1190912	gam	17.639436	b-al	8.714620	the	98.714643	phi	107.63946		

N	5.0000000	w1	.1400000	w2	.0700000	w3	.0400000	SF	.0399990	LFr	.7424326
PRA	.9800000	PRB	.9307654	PRC	.9651849	L	.1734791	min	.1173532	max	.2674464
Si	5.650593	SAB	3.932758	Sf	3.210842	K	.0561259	z	.0552326	m	.0680521
n	.1190912	gam	17.639436	b-al	12.246622	the	102.24664	phi	107.63946		

N	5.0000000	w1	.1400000	w2	.0700000	w3	.0500000	SF	.0451574	LFr	.7014618
PRA	.9671649	PRB	.9105178	PRC	1.0155350	L	.1234741	min	.1182636	max	.2513437
Si	4.708825	SAB	3.481930	Sf	3.2196 1	K	.0052106	z	.0751599	m	.0850651
n	.1190912	gam	17.639436	b-al	14.029655	the	104.02968	phi	107.63946	2-LEVEL THRUST	

N	5.0000000	w1	.1400000	w2	.0700000	w3	.0500000	SF	.0451574	LFr	.8813295
PRA	.9800000	PRB	.9369164	PRC	.9537163	L	.2411976	min	.1182636	max	.2513437
Si	7.063295	SAB	4.672513	Sf	3.219611	K	.1229340	z	.0059637	m	.0850651
n	.1190912	gam	17.639436	b-al	14.029655	the	104.02968	phi	107.63946		

N	5.0000000	w1	.1400000	w2	.0800000	w3	.0200000	SF	.0440521	LFr	.7052097
PRA	.9900000	PRB	.9573935	PRC	.9509772	L	.1842613	min	.1316917	max	.2986883
Si	5.650662	SAB	3.816526	Sf	3.222060	K	.0525696	z	.0672585	m	.0340261
n	.1361042	gam	19.470994	b-al	8.714620	the	98.714643	phi	109.47102		

N	5.0000000	w1	.1400000	w2	.0800000	w3	.0400000	SF	.0503054	LFr	.7619476
PRA	.9800000	PRB	.9299794	PRC	.9439779	L	.1788101	min	.1344759	max	.2674464
Si	5.650628	SAB	3.879482	Sf	3.232588	K	.0443343	z	.0520991	m	.0680521
n	.1361042	gam	19.470994	b-al	12.246622	the	102.24664	phi	109.47102		

N	5.0000000	w1	.1400000	w2	.0800000	w3	.0500000	SF	.0554638	LFr	.9100266
PRA	.9800000	PRB	.9331093	PRC	.9371424	L	.2465267	min	.1353862	max	.2513437
Si	7.063291	SAB	4.619218	Sf	3.241356	K	.1111405	z	.0028314	m	.0850651
n	.1361042	gam	19.470994	b-al	14.029655	the	104.02968	phi	109.47102		

N	5.0000000	w1	.1400000	w2	.0800000	w3	.0600000	SF	.0619516	LFr	.8259201
PRA	.9700000	PRB	.9176551	PRC	.9259498	L	.1728554	min	.1359735	max	.2349180
Si	5.650641	SAB	3.947520	Sf	3.253397	K	.0368819	z	.0364795	m	.1020781
n	.1361042	gam	19.470994	b-al	15.826319	the	105.82634	phi	109.47102		

N	5.0000000	w1	.1400000	w2	.0900000	w3	.0200000	SF	.0566702	LFr	.7240906
PRA	.9900000	PRB	.9604764	PRC	.9294539	L	.1898308	min	.1491758	max	.2986883
Si	5.650643	SAB	3.760812	Sf	3.251276	K	.0406550	z	.0639848	m	.0340261
n	.1531172	gam	21.323511	b-al	8.714620	the	98.714643	phi	111.32353		

N	5.0000000	w1	.1400000	w2	.0900000	w3	.0400000	SF	.0629244	LFr	.7812052
PRA	.9800000	PRB	.9305099	PRC	.9249973	L	.1843815	min	.1519600	max	.2674464
Si	5.650647	SAB	3.823787	Sf	3.261804	K	.0324216	z	.0488243	m	.0680521
n	.1531172	gam	21.323511	b-al	12.246622	the	102.24664	phi	111.32353		

N	5.0000000	w1	.1400000	w2	.1000000	w3	.0200000	SF	.0719156	LFr	.7427225
PRA	.9900000	PRB	.9635699	PRC	.9224466	L	.1956558	min	.1670344	max	.2986883
Si	5.650627	SAB	3.702546	Sf	3.290977	K	.0286214	z	.0605610	m	.0340261
n	.1701302	gam	23.199708	b-al	8.714620	the	98.714643	phi	113.19973	2-LEVEL THRUST	

N	5.0000000	w1	.1400000	w2	.1000000	w3	.0400000	SF	.0781698	LFr	.8002729
PRA	.9800000	PRB	.9293747	PRC	.9434005	L	.1902065	min	.1698186	max	.2674464
Si	5.650631	SAB	3.765521	Sf	3.301505	K	.0203880	z	.0454004	m	.0680521
n	.1701302	gam	23.199708	b-al	12.246622	the	102.24664	phi	113.19973	2-LEVEL THRUST	

N	5.0000000	w1	.1400000	w2	.1100000	w3	.0200000	SF	.0902119	LFr	.7612009
PRA	.9900000	PRB	.9610374	PRC	.9561697	L	.2017555	min	.1852832	max	.2986883
Si	5.650663	SAB	3.641586	Sf	3.346307	K	.0164724	z	.0569756	m	.0340261
n	.1871432	gam	25.102621	b-al	8.714620	the	98.714643	phi	115.10264	2-LEVEL THRUST	

N	5.0000000	w1	.1400000	w2	.1200000	w3	.0200000	SF	.1120730	LFr	.7796250
PRA	.9898853	PRB	.9447992	PRC	1.0141719	L	.2081413	min	.2039401	max	.2986883
Si	5.650607	SAB	3.577023	Sf	3.427464	K	.0042012	z	.0532222	m	.0340261
n	.2041563	gam	27.035633	b-al	8.714620	the	98.714643	phi	117.03566	2-LEVEL THRUST	

N	5.0000000	w1	.1600000	w2	.0400000	w3	.0200000	SF	.0140124	LFr	.6870194
PRA	.9900000	PRB	.9509375	PRC	1.1129653	L	.1707230	min	.0655138	max	.2784352
Si	5.650591	SAB	3.951840	Sf	3.156179	K	.1052092	z	.0633116	m	.0340261
n	.0680521	gam	13.050236	b-al	9.281672	the	99.281695	phi	103.05026		

N	5.0000000	w1	.1600000	w2	.0500000	w3	.0200000	SF	.0191231	LFr	.7085400
PRA	.9900000	PRB	.9504582	PRC	1.0770182	L	.1755028	min	.0817749	max	.2784352
Si	5.650637	SAB	3.904087	Sf	3.161967	K	.0937279	z	.0605021	m	.0340261
n	.0850651	gam	14.955219	b-al	9.281672	the	99.281695	phi	104.95524		

N	5.0000000	w1	.1600000	w2	.0500000	w3	.0300000	SF	.0218363	LFr	.6648054
PRA	.9800000	PRB	.9289451	PRC	1.0646771	L	.1021614	min	.0832134	max	.2628606
Si	4.237936	SAB	3.229039	Sf	3.164837	K	.0189480	z	.0944566	m	.0510391
n	.0850651	gam	14.955219	b-al	11.159840	the	101.15986	phi	104.95524		
N	5.0000000	w1	.1600000	w2	.0600000	w3	.0200000	SF	.0257273	LFr	.7295694
PRA	.9900000	PRB	.9517111	PRC	1.0420898	L	.1805020	min	.0983866	max	.2784352
Si	5.650659	SAB	3.854117	Sf	3.169833	K	.0821154	z	.0575637	m	.0340261
n	.1020781	gam	16.876945	b-al	9.281672	the	99.281695	phi	106.87697		
N	5.0000000	w1	.1600000	w2	.0600000	w3	.0300000	SF	.0284405	LFr	.6769505
PRA	.9798657	PRB	.9220640	PRC	1.0825455	L	.1071606	min	.0998250	max	.2628606
Si	4.237958	SAB	3.178500	Sf	3.172703	K	.0073355	z	.0915182	m	.0510391
n	.1020781	gam	16.876945	b-al	11.159840	the	101.15986	phi	106.87697	2-LEVEL THRUST	
N	5.0000000	w1	.1600000	w2	.0600000	w3	.0400000	SF	.0320749	LFr	.7877293
PRA	.9800000	PRB	.9328837	PRC	1.0215698	L	.1749497	min	.1009247	max	.2469473
Si	5.650593	SAB	3.918051	Sf	3.176867	K	.0740249	z	.0423191	m	.0680521
n	.1020781	gam	16.876945	b-al	13.050236	the	103.05026	phi	106.87697		
N	5.0000000	w1	.1600000	w2	.0700000	w3	.0200000	SF	.0340939	LFr	.7501879
PRA	.9900000	PRB	.9538769	PRC	1.0095707	L	.1857395	min	.1153731	max	.2784352
Si	5.650610	SAB	3.801692	Sf	3.180275	K	.0703664	z	.0544851	m	.0340261
n	.1190912	gam	18.818803	b-al	9.281672	the	99.281695	phi	108.81882		
N	5.0000000	w1	.1600000	w2	.0700000	w3	.0400000	SF	.0404406	LFr	.8086538
PRA	.9800000	PRB	.9295637	PRC	.9966482	L	.1801910	min	.1179113	max	.2469473
Si	5.650620	SAB	3.865665	Sf	3.187309	K	.0622798	z	.0392383	m	.0680521
n	.1190912	gam	18.818803	b-al	13.050236	the	103.05026	phi	108.81882		
N	5.0000000	w1	.1600000	w2	.0700000	w3	.0500000	SF	.0456410	LFr	.7687464
PRA	.9695737	PRB	.9115477	PRC	1.0222251	L	.1301251	min	.1186631	max	.2306860
Si	4.708843	SAB	3.426780	Sf	3.193097	K	.0114620	z	.0591083	m	.0850651
n	.1190912	gam	18.818803	b-al	14.955219	the	104.95524	phi	108.81882	2-LEVEL THRUST	
N	5.0000000	w1	.1600000	w2	.0800000	w3	.0200000	SF	.0444708	LFr	.7704725
PRA	.9900000	PRB	.9566004	PRC	.9800023	L	.1912308	min	.1327390	max	.2784352
Si	5.650616	SAB	3.746786	Sf	3.194018	K	.0584919	z	.0512574	m	.0340261
n	.1361042	gam	20.783323	b-al	9.281672	the	99.281695	phi	110.78334		
N	5.0000000	w1	.1600000	w2	.0800000	w3	.0400000	SF	.0508185	LFr	.8293066
PRA	.9800000	PRB	.9287164	PRC	.9714878	L	.1856804	min	.1352771	max	.2469473
Si	5.650589	SAB	3.810740	Sf	3.201052	K	.0504033	z	.0360118	m	.0680521
n	.1361042	gam	20.783323	b-al	13.050236	the	103.05026	phi	110.78334		
N	5.0000000	w1	.1600000	w2	.0900000	w3	.0200000	SF	.0571308	LFr	.7905016
PRA	.9900000	PRB	.9597093	PRC	.9536597	L	.1969910	min	.1504998	max	.2784352
Si	5.650648	SAB	3.689216	Sf	3.212012	K	.0464912	z	.0478717	m	.0340261
n	.1531172	gam	22.773790	b-al	9.281672	the	99.281695	phi	112.77381		
N	5.0000000	w1	.1600000	w2	.0900000	w3	.0400000	SF	.0634775	LFr	.8497734
PRA	.9800000	PRB	.9292024	PRC	.9479338	L	.1914406	min	.1530379	max	.2469473
Si	5.650620	SAB	3.753169	Sf	3.219046	K	.0384027	z	.0326260	m	.0680521
n	.1531172	gam	22.773790	b-al	13.050236	the	103.05026	phi	112.77381		
N	5.0000000	w1	.1600000	w2	.1000000	w3	.0200000	SF	.0723734	LFr	.8103609
PRA	.9900000	PRB	.9631143	PRC	.9307814	L	.2030354	min	.1686717	max	.2784352
Si	5.650659	SAB	3.628783	Sf	3.235597	K	.0343637	z	.0443189	m	.0340261
n	.1701302	gam	24.793708	b-al	9.281672	the	99.281695	phi	114.79373		
N	5.0000000	w1	.1800000	w2	.0400000	w3	.0200000	SF	.0144739	LFr	.7451277
PRA	.9900000	PRB	.9501191	PRC	1.1630408	L	.1772099	min	.0657972	max	.2581481
Si	5.650622	SAB	3.887001	Sf	3.150626	K	.1114127	z	.0475743	m	.0340261
n	.0680521	gam	13.967897	b-al	9.928032	the	99.928055	phi	103.96792		

N	5.0000000	w1	.1800000	w2	.0500000	w3	.0200000	SF	.0197582	LFr	.7676134
PRA	.9900000	PRB	.9496062	PRC	1.1230726	L	.1821022	min	.0822419	max	.2581481
Si	5.650621	SAB	3.838076	Sf	3.154170	K	.0998603	z	.0446987	m	.0340261
n	.0850651	gam	16.013382	b-al	9.928032	the	99.928055	phi	106.01341		
N	5.0000000	w1	.1800000	w2	.0500000	w3	.0300000	SF	.0225639	LFr	.7248497
PRA	.9800000	PRB	.9274748	PRC	1.1092933	L	.1087113	min	.0835524	max	.2424456
Si	4.237971	SAB	3.163575	Sf	3.155947	K	.0251589	z	.0786070	m	.0510391
n	.0850651	gam	16.013382	b-al	11.940427	the	101.94045	phi	106.01341		
N	5.0000000	w1	.1800000	w2	.0600000	w3	.0200000	SF	.0265942	LFr	.7896576
PRA	.9900000	PRB	.9508517	PRC	1.0841175	L	.1872387	min	.0990681	max	.2581481
Si	5.650635	SAB	3.786725	Sf	3.158966	K	.0881706	z	.0416795	m	.0340261
n	.1020781	gam	18.079681	b-al	9.928032	the	99.928055	phi	108.07970		
N	5.0000000	w1	.1800000	w2	.0600000	w3	.0300000	SF	.0293999	LFr	.7380343
PRA	.9800000	PRB	.9238156	PRC	1.0993429	L	.1138477	min	.1003785	max	.2424456
Si	4.237985	SAB	3.112224	Sf	3.160744	K	.0134692	z	.0755879	m	.0510391
n	.1020781	gam	18.079681	b-al	11.940427	the	101.94045	phi	108.07970	2-LEVEL THRUST	
N	5.0000000	w1	.1800000	w2	.0600000	w3	.0400000	SF	.0331726	LFr	.8498602
PRA	.9800000	PRB	.9317295	PRC	1.0610596	L	.1815758	min	.1013227	max	.2263767
Si	5.650614	SAB	3.851811	Sf	3.163303	K	.0802531	z	.0263333	m	.0680521
n	.1020781	gam	18.079681	b-al	13.967897	the	103.96792	phi	108.07970		
N	5.0000000	w1	.1800000	w2	.0700000	w3	.0200000	SF	.0352497	LFr	.8113432
PRA	.9900000	PRB	.9530242	PRC	1.0476189	L	.1926403	min	.1163017	max	.2581481
Si	5.650610	SAB	3.732685	Sf	3.165273	K	.0763386	z	.0385045	m	.0340261
n	.1190912	gam	20.170979	b-al	9.928032	the	99.928055	phi	110.17100		
N	5.0000000	w1	.1800000	w2	.0700000	w3	.0300000	SF	.0380554	LFr	.7508984
PRA	.9777382	PRB	.9116183	PRC	1.1395719	L	.1192494	min	.1176122	max	.2424456
Si	4.237960	SAB	3.048598	Sf	3.167050	K	.0016372	z	.0724129	m	.0510391
n	.1190912	gam	20.170979	b-al	11.940427	the	101.94045	phi	110.17100	2-LEVEL THRUST	
N	5.0000000	w1	.1800000	w2	.0700000	w3	.0400000	SF	.0418272	LFr	.8719149
PRA	.9800000	PRB	.9283049	PRC	1.0328760	L	.1869793	min	.1185564	max	.2263767
Si	5.650628	SAB	3.797790	Sf	3.169609	K	.0684229	z	.0231572	m	.0680521
n	.1190912	gam	20.170979	b-al	13.967897	the	103.96792	phi	110.17100		
N	5.0000000	w1	.1800000	w2	.0800000	w3	.0200000	SF	.0459795	LFr	.8327627
PRA	.9900000	PRB	.9557630	PRC	1.0140637	L	.1983242	min	.1339523	max	.2581481
Si	5.650621	SAB	3.675857	Sf	3.173477	K	.0643719	z	.0351636	m	.0340261
n	.1361042	gam	22.290742	b-al	9.928032	the	99.928055	phi	112.29076		
N	5.0000000	w1	.1800000	w2	.0900000	w3	.0200000	SF	.0590801	LFr	.8540106
PRA	.9900000	PRB	.9588940	PRC	.9836177	L	.2043095	min	.1520378	max	.2581481
Si	5.650660	SAB	3.616043	Sf	3.184082	K	.0522717	z	.0316456	m	.0340261
n	.1531172	gam	24.443137	b-al	9.928032	the	99.928055	phi	114.44316		
N	5.0000000	w1	.2000000	w2	.0400000	w3	.0200000	SF	.0152493	LFr	.8001204
PRA	.9900000	PRB	.9492679	PRC	1.2185056	L	.1837311	min	.0661247	max	.2378173
Si	5.650609	SAB	3.821776	Sf	3.145929	K	.1176064	z	.0317911	m	.0340261
n	.0680521	gam	15.026039	b-al	10.671771	the	100.67179	phi	105.02606		
N	5.0000000	w1	.2000000	w2	.0500000	w3	.0200000	SF	.0208283	LFr	.8236103
PRA	.9900000	PRB	.9487168	PRC	1.1741425	L	.1887608	min	.0827833	max	.2378173
Si	5.650639	SAB	3.771509	Sf	3.147617	K	.1059775	z	.0288347	m	.0340261
n	.0850651	gam	17.235267	b-al	10.671771	the	100.67179	phi	107.23529		
N	5.0000000	w1	.2000000	w2	.0500000	w3	.0300000	SF	.0237847	LFr	.7818375
PRA	.9800000	PRB	.9259296	PRC	1.1588139	L	.1153088	min	.0839458	max	.2219667
Si	4.237954	SAB	3.097583	Sf	3.148467	K	.0313630	z	.0626919	m	.0510391
n	.0850651	gam	17.235267	b-al	12.839472	the	102.83949	phi	107.23529		

N	5.0000000	w1	.2000000	w2	.0600000	w3	.0200000	SF	.0280667	LFr	.8467064		
PRA	.9900000	PRB	.9499499	PRC	1.1308796	L	.1940594	min	.0998610	max	.2378173		
Si	5.650614	SAB	3.718498	Sf	3.149901	K	.0941984	z	.0257202	m	.0340261		
n	.1020781	gam	19.470873	b-al	10.671771	the	100.67179	phi	109.47089				
N	5.0000000	w1	.2000000	w2	.0600000	w3	.0300000	SF	.0310230	LFr	.7961111		
PRA	.9800000	PRB	.9231909	PRC	1.1213301	L	.1206074	min	.1010235	max	.2219667		
Si	4.237930	SAB	3.044572	Sf	3.150752	K	.0195840	z	.0595775	m	.0510391		
n	.1020781	gam	19.470873	b-al	12.839472	the	102.83949	phi	109.47089				
N	5.0000000	w1	.2000000	w2	.0600000	w3	.0400000	SF	.0350266	LFr	.9090262		
PRA	.9800000	PRB	.9305223	PRC	1.1051610	L	.1882706	min	.1017883	max	.2057185		
Si	5.650636	SAB	3.784885	Sf	3.151973	K	.0864823	z	.0102556	m	.0680521		
n	.1020781	gam	19.470873	b-al	15.026038	the	105.02606	phi	109.47089				
N	5.0000000	w1	.2000000	w2	.0700000	w3	.0200000	SF	.0372362	LFr	.8695173		
PRA	.9900000	PRB	.9521243	PRC	1.0902434	L	.1996575	min	.1173861	max	.2378173		
Si	5.650612	SAB	3.662515	Sf	3.152875	K	.0822714	z	.0224298	m	.0340261		
n	.1190912	gam	21.738146	b-al	10.671771	the	100.67179	phi	111.73817				
N	5.0000000	w1	.2000000	w2	.0700000	w3	.0300000	SF	.0401926	LFr	.8101378		
PRA	.9799028	PRB	.9162438	PRC	1.1518703	L	.1262074	min	.1185486	max	.2219667		
Si	4.237966	SAB	2.988197	Sf	3.153725	K	.0076588	z	.0562859	m	.0510391		
n	.1190912	gam	21.738146	b-al	12.839472	the	102.83949	phi	111.73817	2-LEVEL THRUST			
N	5.0000000	w1	.2000000	w2	.0800000	w3	.0200000	SF	.0486212	LFr	.8921452		
PRA	.9900000	PRB	.9548732	PRC	1.0527026	L	.2055741	min	.1353735	max	.2378173		
Si	5.650642	SAB	3.603379	Sf	3.156740	K	.0702005	z	.0189521	m	.0340261		
n	.1361042	gam	24.041817	b-al	10.671771	the	100.67179	phi	114.04184				
N	5.0000000	w1	.2200000	w2	.0400000	w3	.0200000	SF	.0163841	LFr	.8520289		
PRA	.9900000	PRB	.9483805	PRC	1.280075	L	.1903019	min	.0665104	max	.2174333		
Si	5.650615	SAB	3.756074	Sf	3.141610	K	.1237915	z	.0159475	m	.0340261		
n	.0680521	gam	16.260141	b-al	11.536790	the	101.53681	phi	106.26016				
N	5.0000000	w1	.2200000	w2	.0500000	w3	.0200000	SF	.0224123	LFr	.8765612		
PRA	.9900000	PRB	.9477847	PRC	1.2308017	L	.1954956	min	.0834218	max	.2174333		
Si	5.650665	SAB	3.704186	Sf	3.141613	K	.1120738	z	.0128947	m	.0340261		
n	.0850651	gam	18.662907	b-al	11.536790	the	101.53681	phi	108.66293				
N	5.0000000	w1	.2200000	w2	.0500000	w3	.0300000	SF	.0255938	LFr	.8358212		
PRA	.9800000	PRB	.9243005	PRC	1.2137651	L	.1219731	min	.0844107	max	.2014091		
Si	4.237934	SAB	3.030920	Sf	3.141609	K	.0375624	z	.0466914	m	.0510391		
n	.0850651	gam	18.662907	b-al	13.886410	the	103.88643	phi	108.66293				
N	5.0000000	w1	.2200000	w2	.0600000	w3	.0200000	SF	.0302429	LFr	.9007692		
PRA	.9900000	PRB	.9489993	PRC	1.1828029	L	.2009926	min	.1007984	max	.2174333		
Si	5.650639	SAB	3.649191	Sf	3.141630	K	.1001942	z	.0096636	m	.0340261		
n	.1020781	gam	21.099817	b-al	11.536790	the	101.53681	phi	111.09984				
N	5.0000000	w1	.2200000	w2	.0600000	w3	.0300000	SF	.0334244	LFr	.8512449		
PRA	.9800000	PRB	.9214197	PRC	1.1721620	L	.1274719	min	.1017872	max	.2014091		
Si	4.237946	SAB	2.975944	Sf	3.141625	K	.0256848	z	.0434592	m	.0510391		
n	.1020781	gam	21.099817	b-al	13.886410	the	103.88643	phi	111.09984				
N	5.0000000	w1	.2200000	w2	.0700000	w3	.0200000	SF	.0401936	LFr	.9247780		
PRA	.9900000	PRB	.9511682	PRC	1.1377123	L	.2068291	min	.1186730	max	.2174333		
Si	5.650629	SAB	3.590816	Sf	3.141625	K	.0881561	z	.0062330	m	.0340261		
n	.1190912	gam	23.577850	b-al	11.536790	the	101.53681	phi	113.57787				
N	5.0000000	w1	.2400000	w2	.0400000	w3	.0200000	SF	.0179701	LFr	.9008856		
PRA	.9900000	PRB	.9474525	PRC	1.348708	L	.1969376	min	.0669702	max	.1969813		
Si	5.650639	SAB	3.689741	Sf	3.137295	K	.1299673	z	.0000257	m	.0340261		
n	.0680521	gam	17.718849	b-al	12.555675	the	102.55570	phi	107.71887				

N	5.0000000	w1	.2400000	w2	.0500000	w3	.0300000	SF	.0281191	LFr	.8868609
PRA	.9800000	PRB	.9225751	PRC	1.274915	L	.1287289	min	.0849681	max	.1807501
Si	4.237949	SAB	2.963377	Sf	3.134749	K	.0437607	z	.0305773	m	.0510391
n	.0850651	gam	20.354386	b-al	15.121537	the	105.12156	phi	110.35441		

N	6.0000000	w1	.0600000	w2	.0400000	w3	.0200000	SF	.0213871	LFr	.3309364
PRA	.9600000	PRB	.9199807	PRC	.9259288	L	.0944080	min	.0776242	max	.3723446
Si	5.224259	SAB	3.946700	Sf	3.294545	K	.0167839	z	.1389682	m	.0400000
n	.0800001	gam	9.830318	b-al	7.004632	the	97.004655	phi	99.830342		
N	6.0000000	w1	.0600000	w2	.0400000	w3	.0200000	SF	.0213871	LFr	.3974543
PRA	.9700000	PRB	.9344436	PRC	.9259288	L	.1669674	min	.0776242	max	.3723446
Si	6.965683	SAB	4.817412	Sf	3.294545	K	.0893432	z	.1026885	m	.0400000
n	.0800001	gam	9.830318	b-al	7.004632	the	97.004655	phi	99.830342		
N	6.0000000	w1	.0600000	w2	.0400000	w3	.0200000	SF	.0213871	LFr	.5304890
PRA	.9800000	PRB	.9518493	PRC	.9259288	L	.3120861	min	.0776242	max	.3723446
Si	10.448533	SAB	6.558837	Sf	3.294545	K	.2344619	z	.0301292	m	.0400000
n	.0800001	gam	9.830318	b-al	7.004632	the	97.004655	phi	99.830342		
N	6.0000000	w1	.0800000	w2	.0400000	w3	.0200000	SF	.0188246	LFr	.4048529
PRA	.9600000	PRB	.9186603	PRC	.9408221	L	.0997448	min	.0777779	max	.3521812
Si	5.224233	SAB	3.882633	Sf	3.228744	K	.0219669	z	.1262181	m	.0400000
n	.0800001	gam	10.339847	b-al	7.365781	the	97.365804	phi	100.33987		
N	6.0000000	w1	.0800000	w2	.0400000	w3	.0200000	SF	.0188246	LFr	.4713707
PRA	.9700000	PRB	.9335600	PRC	.9408221	L	.1723042	min	.0777779	max	.3521812
Si	6.965657	SAB	4.753345	Sf	3.228744	K	.0945263	z	.0899385	m	.0400000
n	.0800001	gam	10.339847	b-al	7.365781	the	97.365804	phi	100.33987		
N	6.0000000	w1	.0800000	w2	.0400000	w3	.0200000	SF	.0188246	LFr	.6044054
PRA	.9800000	PRB	.9513744	PRC	.9408221	L	.3174229	min	.0777779	max	.3521812
Si	10.448506	SAB	6.404770	Sf	3.228744	K	.2396450	z	.0173792	m	.0400000
n	.0800001	gam	10.339847	b-al	7.365781	the	97.365804	phi	100.33987		
N	6.0000000	w1	.0800000	w2	.0500000	w3	.0200000	SF	.0259333	LFr	.4173908
PRA	.9600000	PRB	.9053361	PRC	.9443556	L	.1044846	min	.0970641	max	.3521812
Si	5.224264	SAB	3.825787	Sf	3.270892	K	.0074205	z	.1238482	m	.0400000
n	.1000001	gam	11.836985	b-al	7.365781	the	97.365804	phi	101.83701	2-LEVEL THRUST	
N	6.0000000	w1	.0800000	w2	.0500000	w3	.0200000	SF	.0259333	LFr	.4949923
PRA	.9700000	PRB	.9240239	PRC	.9238004	L	.1770420	min	.0970641	max	.3521812
Si	6.965643	SAB	4.696477	Sf	3.270892	K	.0799779	z	.0875695	m	.0400000
n	.1000001	gam	11.836985	b-al	7.365781	the	97.365804	phi	101.83701		
N	6.0000000	w1	.0800000	w2	.0500000	w3	.0200000	SF	.0259333	LFr	.6501999
PRA	.9800000	PRB	.9445751	PRC	.9238004	L	.3221607	min	.0970641	max	.3521812
Si	10.448492	SAB	6.437901	Sf	3.270892	K	.2250966	z	.0150102	m	.0400000
n	.1000001	gam	11.836985	b-al	7.365781	the	97.365804	phi	101.83701		
N	6.0000000	w1	.0800000	w2	.0500000	w3	.0300000	SF	.0295811	LFr	.4395762
PRA	.9384593	PRB	.9010912	PRC	.9610231	L	.1001549	min	.0983061	max	.3334232
Si	5.224231	SAB	3.707332	Sf	3.288374	K	.0018488	z	.1166341	m	.0600001
n	.1000001	gam	11.836985	b-al	8.849800	the	98.849823	phi	101.83701	2-LEVEL THRUST	
N	6.0000000	w1	.0800000	w2	.0500000	w3	.0300000	SF	.0295811	LFr	.4927893
PRA	.9500000	PRB	.9171693	PRC	.9171340	L	.1436901	min	.0983061	max	.3334232
Si	6.269077	SAB	4.327802	Sf	3.288374	K	.0453840	z	.0948665	m	.0600001
n	.1000001	gam	11.836985	b-al	8.849800	the	98.849823	phi	101.83701		
N	6.0000000	w1	.0800000	w2	.0500000	w3	.0300000	SF	.0295811	LFr	.5726109
PRA	.9600000	PRB	.9298682	PRC	.9171340	L	.2089939	min	.0983061	max	.3334232
Si	7.836368	SAB	5.111447	Sf	3.288374	K	.1106878	z	.0622146	m	.0600001
n	.1000001	gam	11.836985	b-al	8.849800	the	98.849823	phi	101.83701		
N	6.0000000	w1	.0800000	w2	.0500000	w3	.0300000	SF	.0295811	LFr	.7056456
PRA	.9700000	PRB	.9441412	PRC	.9171340	L	.3178330	min	.0983061	max	.3334232
Si	10.448505	SAB	6.417516	Sf	3.288374	K	.2195268	z	.0077951	m	.0600001
n	.1000001	gam	11.836985	b-al	8.849800	the	98.849823	phi	101.83701		

N	6.0000000	w1	.0800000	w2	.0600000	w3	.0200000	SF	.0354061	LFr	.5174246
PRA	.9700000	PRB	.9159866	PRC	.9127197	L	.1819401	min	.1166148	max	.3521812
Si	6.965648	SAB	4.637704	Sf	3.337902	K	.0653253	z	.0851205	m	.0400000
n	.1200001	gam	13.342119	b-al	7.365781	the	97.365804	phi	103.34214		

N	6.0000000	w1	.0800000	w2	.0600000	w3	.0200000	SF	.0354061	LFr	.6948042
PRA	.9800000	PRB	.9389213	PRC	.9127197	L	.3270588	min	.1166148	max	.3521812
Si	10.448497	SAB	6.379129	Sf	3.337902	K	.2104441	z	.0125612	m	.0400000
n	.1200001	gam	13.342119	b-al	7.365781	the	97.365804	phi	103.34214		

N	6.0000000	w1	.0800000	w2	.0600000	w3	.0300000	SF	.0390549	LFr	.5106878
PRA	.9500000	PRB	.9050504	PRC	.9098524	L	.1485882	min	.1178568	max	.3334232
Si	6.269081	SAB	4.269029	Sf	3.355384	K	.0307314	z	.0924174	m	.0600001
n	.1200001	gam	13.342119	b-al	8.849800	the	98.849823	phi	103.34214		

N	6.0000000	w1	.0800000	w2	.0600000	w3	.0300000	SF	.0390549	LFr	.6004868
PRA	.9600000	PRB	.9197766	PRC	.9098524	L	.2138920	min	.1178568	max	.3334232
Si	7.836372	SAB	5.052675	Sf	3.355384	K	.0960352	z	.0597656	m	.0600001
n	.1200001	gam	13.342119	b-al	8.849800	the	98.849823	phi	103.34214		

N	6.0000000	w1	.0800000	w2	.0600000	w3	.0300000	SF	.0390549	LFr	.7501507
PRA	.9700000	PRB	.9362543	PRC	.9098524	L	.3227310	min	.1178568	max	.3334232
Si	10.448509	SAB	6.358743	Sf	3.355384	K	.2048742	z	.0053461	m	.0600001
n	.1200001	gam	13.342119	b-al	8.849800	the	98.849823	phi	103.34214		

N	6.0000000	w1	.0800000	w2	.0600000	w3	.0400000	SF	.0439978	LFr	.5220614
PRA	.9300000	PRB	.9025623	PRC	.9139375	L	.1317120	min	.1188367	max	.3144031
Si	5.970584	SAB	4.100715	Sf	3.382621	K	.0128753	z	.0913455	m	.0800001
n	.1200001	gam	13.342119	b-al	10.339847	the	100.33987	phi	103.34214	2-LEVEL THRUST	

N	6.0000000	w1	.0800000	w2	.0600000	w3	.0400000	SF	.0439978	LFr	.5854101
PRA	.9400000	PRB	.9132919	PRC	.9043402	L	.1731739	min	.1188367	max	.3144031
Si	6.965671	SAB	4.598259	Sf	3.382621	K	.0543372	z	.0706146	m	.0800001
n	.1200001	gam	13.342119	b-al	10.339847	the	100.33987	phi	103.34214		

N	6.0000000	w1	.0800000	w2	.0600000	w3	.0400000	SF	.0439978	LFr	.6740980
PRA	.9500000	PRB	.9246988	PRC	.9043402	L	.2312203	min	.1188367	max	.3144031
Si	8.358783	SAB	5.294815	Sf	3.382621	K	.1123836	z	.0415914	m	.0800001
n	.1200001	gam	13.342119	b-al	10.339847	the	100.33987	phi	103.34214		

N	6.0000000	w1	.1000000	w2	.0400000	w3	.0200000	SF	.0174770	LFr	.4756069
PRA	.9600000	PRB	.9172924	PRC	.9673651	L	.1050949	min	.0779489	max	.3320006
Si	5.224218	SAB	3.818417	Sf	3.197595	K	.0271460	z	.1134528	m	.0400000
n	.0800001	gam	10.905430	b-al	7.766312	the	97.766335	phi	100.90545		

N	6.0000000	w1	.1000000	w2	.0400000	w3	.0200000	SF	.0174770	LFr	.5421248
PRA	.9700000	PRB	.9326502	PRC	.9673651	L	.1776543	min	.0779489	max	.3320006
Si	6.965643	SAB	4.689129	Sf	3.197595	K	.0997054	z	.0771731	m	.0400000
n	.0800001	gam	10.905430	b-al	7.766312	the	97.766335	phi	100.90545		

N	6.0000000	w1	.1000000	w2	.0400000	w3	.0200000	SF	.0174770	LFr	.6751595
PRA	.9800000	PRB	.9508888	PRC	.9673651	L	.3227730	min	.0779489	max	.3320006
Si	10.448492	SAB	6.430554	Sf	3.197595	K	.2448241	z	.0046138	m	.0400000
n	.0800001	gam	10.905430	b-al	7.766312	the	97.766335	phi	100.90545		

N	6.0000000	w1	.1000000	w2	.0500000	w3	.0200000	SF	.0239391	LFr	.4890576
PRA	.9600000	PRB	.9051124	PRC	.9465835	L	.1098995	min	.0973451	max	.3320006
Si	5.224224	SAB	3.760767	Sf	3.222091	K	.0125545	z	.1110505	m	.0400000
n	.1000001	gam	12.486886	b-al	7.766312	the	97.766335	phi	102.48691	2-LEVEL THRUST	

N	6.0000000	w1	.1000000	w2	.0500000	w3	.0200000	SF	.0239391	LFr	.5666609
PRA	.9700000	PRB	.9229576	PRC	.9437703	L	.1824589	min	.0973451	max	.3320006
Si	6.965648	SAB	4.631479	Sf	3.222091	K	.0851138	z	.0747708	m	.0400000
n	.1000001	gam	12.486886	b-al	7.766312	the	97.766335	phi	102.48691		

N	6.0000000	w1	.1000000	w2	.0500000	w3	.0200000	SF	.0239391	LFr	.7218685
PRA	.9800000	PRB	.9440098	PRC	.9437703	L	.3275776	min	.0973451	max	.3320006
Si	10.448497	SAB	6.372904	Sf	3.222091	K	.2302326	z	.0022115	m	.0400000
n	.1000001	gam	12.486886	b-al	7.766312	the	97.766335	phi	102.48691		

N	6.0000000	w1	.1000000	w2	.0500000	w3	.0300000	SF	.0273199	LFr	.5121651
PRA	.9399808	PRB	.9026058	PRC	.9576105	L	.1055393	min	.0985094	max	.3131650
Si	5.224252	SAB	3.740686	Sf	3.233243	K	.0070299	z	.1038128	m	.0600001
n	.1000001	gam	12.486886	b-al	9.332330	the	99.332353	phi	102.48691	2-LEVEL THRUST	

N	6.0000000	w1	.1000000	w2	.0500000	w3	.0300000	SF	.0273199	LFr	.5653782
PRA	.9500000	PRB	.9159143	PRC	.9348084	L	.1490746	min	.0985094	max	.3131650
Si	6.269097	SAB	4.263209	Sf	3.233243	K	.0505651	z	.0820452	m	.0600001
n	.1000001	gam	12.486886	b-al	9.332330	the	99.332353	phi	102.48691		

N	6.0000000	w1	.1000000	w2	.0500000	w3	.0300000	SF	.0273199	LFr	.6451969
PRA	.9600000	PRB	.9289703	PRC	.9348084	L	.2143765	min	.0985094	max	.3131650
Si	7.836343	SAB	5.046832	Sf	3.233243	K	.1158670	z	.0493942	m	.0600001
n	.1000001	gam	12.486886	b-al	9.332330	the	99.332353	phi	102.48691		

N	6.0000000	w1	.1000000	w2	.0600000	w3	.0200000	SF	.0323868	LFr	.5900335
PRA	.9700000	PRB	.9147754	PRC	.9228089	L	.1874352	min	.1170218	max	.3320006
Si	6.965678	SAB	4.571794	Sf	3.257633	K	.0704134	z	.0722827	m	.0400000
n	.1200001	gam	14.077758	b-al	7.766312	the	97.766335	phi	104.07778		

N	6.0000000	w1	.1000000	w2	.0600000	w3	.0300000	SF	.0357676	LFr	.5842323
PRA	.9500000	PRB	.9035702	PRC	.9180102	L	.1540489	min	.1181862	max	.3131650
Si	6.269081	SAB	4.203500	Sf	3.268784	K	.0358628	z	.0795580	m	.0600001
n	.1200001	gam	14.077758	b-al	9.332330	the	99.332353	phi	104.07778		

N	6.0000000	w1	.1000000	w2	.0600000	w3	.0300000	SF	.0357676	LFr	.6740313
PRA	.9600000	PRB	.9187225	PRC	.9180102	L	.2193527	min	.1181862	max	.3131650
Si	7.836372	SAB	4.987146	Sf	3.268784	K	.1011666	z	.0469061	m	.0600001
n	.1200001	gam	14.077758	b-al	9.332330	the	99.332353	phi	104.07778		

N	6.0000000	w1	.1000000	w2	.0600000	w3	.0400000	SF	.0403032	LFr	.5965786
PRA	.9300000	PRB	.9012036	PRC	.9093330	L	.1371327	min	.1190726	max	.2940514
Si	5.970550	SAB	4.035633	Sf	3.285538	K	.0180601	z	.0784593	m	.0800001
n	.1200001	gam	14.077758	b-al	10.905430	the	100.90545	phi	104.07778		

N	6.0000000	w1	.1000000	w2	.0600000	w3	.0400000	SF	.0403032	LFr	.6599312
PRA	.9400000	PRB	.9120476	PRC	.9093330	L	.1785965	min	.1190726	max	.2940514
Si	6.965682	SAB	4.533199	Sf	3.285538	K	.0595239	z	.0577274	m	.0800001
n	.1200001	gam	14.077758	b-al	10.905430	the	100.90545	phi	104.07778		

N	6.0000000	w1	.1000000	w2	.0600000	w3	.0400000	SF	.0403032	LFr	.7486191
PRA	.9500000	PRB	.9237620	PRC	.9093330	L	.2366429	min	.1190726	max	.2940514
Si	8.358795	SAB	5.229755	Sf	3.285538	K	.1175703	z	.0287043	m	.0800001
n	.1200001	gam	14.077758	b-al	10.905430	the	100.90545	phi	104.07778		

N	6.0000000	w1	.1000000	w2	.0700000	w3	.0200000	SF	.0432568	LFr	.6123209
PRA	.9700000	PRB	.9072499	PRC	.9068950	L	.1925984	min	.1370032	max	.3320006
Si	6.965646	SAB	4.509803	Sf	3.309672	K	.0555951	z	.0697011	m	.0400000
n	.1400001	gam	15.680121	b-al	7.766312	the	97.766335	phi	105.68014		

N	6.0000000	w1	.1000000	w2	.0700000	w3	.0300000	SF	.0466375	LFr	.6020336
PRA	.9500000	PRB	.8932574	PRC	.9043698	L	.1592140	min	.1381676	max	.3131650
Si	6.269095	SAB	4.141533	Sf	3.320824	K	.0210464	z	.0769754	m	.0600001
n	.1400001	gam	15.680121	b-al	9.332330	the	99.332353	phi	105.68014		

N	6.0000000	w1	.1000000	w2	.0700000	w3	.0300000	SF	.0466375	LFr	.7018108
PRA	.9600000	PRB	.9102413	PRC	.9043698	L	.2245178	min	.1381676	max	.3131650
Si	7.836386	SAB	4.925179	Sf	3.320824	K	.0863502	z	.0443236	m	.0600001
n	.1400001	gam	15.680121	b-al	9.332330	the	99.332353	phi	105.68014		

N	6.0000000	wl	.1000000	w2	.0700000	w3	.0400000	SF	.0511732	LFr	.6124497
PRA	.9282828	PRB	.8793960	PRC	.9575852	L	.1422978	min	.1390541	max	.2940514
Si	5.970564	SAB	3.963415	Sf	3.337578	K	.0032437	z	.0758768	m	.0800001
n	.1400001	gam	15.680121	b-al	10.905430	the	100.90545	phi	105.68014	2-LEVEL THRUST	

N	6.0000000	wl	.1000000	w2	.0700000	w3	.0400000	SF	.0511732	LFr	.6821337
PRA	.9400000	PRB	.8990293	PRC	.9000150	L	.1837597	min	.1390541	max	.2940514
Si	6.965651	SAB	4.471209	Sf	3.337578	K	.0447057	z	.0551458	m	.0800001
n	.1400001	gam	15.680121	b-al	10.905430	the	100.90545	phi	105.68014		

N	6.0000000	wl	.1000000	w2	.0700000	w3	.0400000	SF	.0511732	LFr	.7796936
PRA	.9500000	PRB	.9126394	PRC	.9000150	L	.2418079	min	.1390541	max	.2940514
Si	8.358809	SAB	5.167788	Sf	3.337578	K	.1027539	z	.0261217	m	.0800001
n	.1400001	gam	15.680121	b-al	10.905430	the	100.90545	phi	105.68014		

N	6.0000000	wl	.1000000	w2	.0700000	w3	.0500000	SF	.0577736	LFr	.6870060
PRA	.9200000	PRB	.8968773	PRC	.8922517	L	.1610279	min	.1396581	max	.2746555
Si	6.530288	SAB	4.236297	Sf	3.362074	K	.0213698	z	.0568137	m	.1000001
n	.1400001	gam	15.680121	b-al	12.486886	the	102.48691	phi	105.68014		

N	6.0000000	wl	.1000000	w2	.0700000	w3	.0500000	SF	.0577736	LFr	.7582760
PRA	.9300000	PRB	.9071059	PRC	.8922517	L	.1998997	min	.1396581	max	.2746555
Si	7.463211	SAB	4.702758	Sf	3.362074	K	.0602416	z	.0373779	m	.1000001
n	.1400001	gam	15.680121	b-al	12.486886	the	102.48691	phi	105.68014		

N	6.0000000	wl	.1000000	w2	.0700000	w3	.0500000	SF	.0577736	LFr	.8533011
PRA	.9400000	PRB	.9179563	PRC	.8922517	L	.2517281	min	.1396581	max	.2746555
Si	8.707092	SAB	5.324698	Sf	3.362074	K	.1120700	z	.0114637	m	.1000001
n	.1400001	gam	15.680121	b-al	12.486886	the	102.48691	phi	105.68014		

N	6.0000000	wl	.1000000	w2	.0800000	w3	.0200000	SF	.0570326	LFr	.6335917
PRA	.9700000	PRB	.8999952	PRC	.8989056	L	.1979542	min	.1572860	max	.3320006
Si	6.965642	SAB	4.445529	Sf	3.389025	K	.0406682	z	.0670232	m	.0400000
n	.1600002	gam	17.295137	b-al	7.766312	the	97.766335	phi	107.29516		

N	6.0000000	wl	.1000000	w2	.0800000	w3	.0300000	SF	.0604143	LFr	.6188412
PRA	.9499290	PRB	.8763901	PRC	.9516624	L	.1645699	min	.1584504	max	.3131650
Si	6.269091	SAB	4.076815	Sf	3.400176	K	.0061195	z	.0742975	m	.0600001
n	.1600002	gam	17.295137	b-al	9.332330	the	99.332353	phi	107.29516	2-LEVEL THRUST	

N	6.0000000	wl	.1000000	w2	.0800000	w3	.0300000	SF	.0604143	LFr	.7285957
PRA	.9600000	PRB	.9025809	PRC	.8977336	L	.2298737	min	.1584504	max	.3131650
Si	7.836382	SAB	4.860904	Sf	3.400176	K	.0714233	z	.0416456	m	.0600001
n	.1600002	gam	17.295137	b-al	9.332330	the	99.332353	phi	107.29516		

N	6.0000000	wl	.1000000	w2	.0800000	w3	.0400000	SF	.0649500	LFr	.7033730
PRA	.9400000	PRB	.8882970	PRC	.8957614	L	.1891155	min	.1593368	max	.2940514
Si	6.965646	SAB	4.406934	Sf	3.416930	K	.0297787	z	.0524679	m	.0800001
n	.1600002	gam	17.295137	b-al	10.905430	the	100.90545	phi	107.29516		

N	6.0000000	wl	.1000000	w2	.0800000	w3	.0400000	SF	.0649500	LFr	.8098030
PRA	.9500000	PRB	.9035434	PRC	.8957614	L	.2471638	min	.1593368	max	.2940514
Si	8.358804	SAB	5.103513	Sf	3.416930	K	.0878270	z	.0234438	m	.0800001
n	.1600002	gam	17.295137	b-al	10.905430	the	100.90545	phi	107.29516		

N	6.0000000	wl	.1000000	w2	.0800000	w3	.0500000	SF	.0715504	LFr	.7054987
PRA	.9188680	PRB	.8757917	PRC	.9435412	L	.1663838	min	.1599409	max	.2746555
Si	6.530283	SAB	4.164633	Sf	3.441426	K	.0064429	z	.0541358	m	.1000001
n	.1600002	gam	17.295137	b-al	12.486886	the	102.48691	phi	107.29516	2-LEVEL THRUST	

N	6.0000000	wl	.1000000	w2	.0800000	w3	.0500000	SF	.0715504	LFr	.7827082
PRA	.9300000	PRB	.8931761	PRC	.8923847	L	.2052555	min	.1599409	max	.2746555
Si	7.463206	SAB	4.638483	Sf	3.441426	K	.0453147	z	.0347000	m	.1000001
n	.1600002	gam	17.295137	b-al	12.486886	the	102.48691	phi	107.29516		

N	6.0000000	w1	.1000000	w2	.0800000	w3	.0500000	SF	.0715504	LFr	.8856516
PRA	.9400000	PRB	.9058059	PRC	.8923847	L	.2570839	min	.1599409	max	.2746555
Si	8.707087	SAB	5.260424	Sf	3.441426	K	.0971430	z	.0087858	m	.1000001
n	.1600002	gam	17.295137	b-al	12.486886	the	102.48691	phi	107.29516		

N	6.0000000	w1	.1200000	w2	.0400000	w3	.0200000	SF	.0168162	LFr	.5432110
PRA	.9600000	PRB	.9158738	PRC	1.0001634	L	.1104622	min	.0781405	max	.3118001
Si	5.224241	SAB	3.754032	Sf	3.179495	K	.0323217	z	.1006689	m	.0400000
n	.0800001	gam	11.536921	b-al	8.213082	the	98.213105	phi	101.53694		

N	6.0000000	w1	.1200000	w2	.0400000	w3	.0200000	SF	.0168162	LFr	.6097279
PRA	.9700000	PRB	.9317125	PRC	1.0001634	L	.1830216	min	.0781405	max	.3118001
Si	6.965665	SAB	4.624744	Sf	3.179495	K	.1048810	z	.0643892	m	.0400000
n	.0800001	gam	11.536921	b-al	8.213082	the	98.213105	phi	101.53694		

N	6.0000000	w1	.1200000	w2	.0500000	w3	.0200000	SF	.0229712	LFr	.5575867
PRA	.9600000	PRB	.9034447	PRC	.9720151	L	.1153412	min	.0976592	max	.3118001
Si	5.224254	SAB	3.695497	Sf	3.195269	K	.0176820	z	.0982294	m	.0400000
n	.1000001	gam	13.212954	b-al	8.213082	the	98.213105	phi	103.21298		

N	6.0000000	w1	.1200000	w2	.0500000	w3	.0200000	SF	.0229712	LFr	.6351910
PRA	.9700000	PRB	.9218565	PRC	.9720151	L	.1879006	min	.0976592	max	.3118001
Si	6.965678	SAB	4.566209	Sf	3.195269	K	.0902414	z	.0619497	m	.0400000
n	.1000001	gam	13.212954	b-al	8.213082	the	98.213105	phi	103.21298		

N	6.0000000	w1	.1200000	w2	.0500000	w3	.0300000	SF	.0262251	LFr	.5816279
PRA	.9400000	PRB	.9024715	PRC	.9654374	L	.1109428	min	.0987360	max	.2928769
Si	5.224254	SAB	3.675946	Sf	3.202777	K	.0122069	z	.0909669	m	.0600001
n	.1000001	gam	13.212954	b-al	9.870816	the	99.870839	phi	103.21298	2-LEVEL THRUST	

N	6.0000000	w1	.1200000	w2	.0500000	w3	.0300000	SF	.0262251	LFr	.6348410
PRA	.9500000	PRB	.9146157	PRC	.9612873	L	.1544781	min	.0987360	max	.2928769
Si	6.269099	SAB	4.198368	Sf	3.202777	K	.0557421	z	.0691994	m	.0600001
n	.1000001	gam	13.212954	b-al	9.870816	the	99.870839	phi	103.21298		

N	6.0000000	w1	.1200000	w2	.0500000	w3	.0300000	SF	.0262251	LFr	.7146626
PRA	.9600000	PRB	.9280462	PRC	.9612873	L	.2197819	min	.0987360	max	.2928769
Si	7.836391	SAB	4.982014	Sf	3.202777	K	.1210459	z	.0365475	m	.0600001
n	.1000001	gam	13.212954	b-al	9.870816	the	99.870839	phi	103.21298		

N	6.0000000	w1	.1200000	w2	.0600000	w3	.0200000	SF	.0309649	LFr	.5708361
PRA	.9597829	PRB	.8853019	PRC	1.0001527	L	.1204052	min	.1174802	max	.3118001
Si	5.224247	SAB	3.633589	Sf	3.217314	K	.0029250	z	.0956974	m	.0400000
n	.1200001	gam	14.900327	b-al	8.213082	the	98.213105	phi	104.90035	2-LEVEL THRUST	

N	6.0000000	w1	.1200000	w2	.0600000	w3	.0200000	SF	.0309649	LFr	.6595259
PRA	.9700000	PRB	.9135203	PRC	.9454578	L	.1929646	min	.1174802	max	.3118001
Si	6.965672	SAB	4.505435	Sf	3.217314	K	.0754844	z	.0594177	m	.0400000
n	.1200001	gam	14.900327	b-al	8.213082	the	98.213105	phi	104.90035		

N	6.0000000	w1	.1200000	w2	.0600000	w3	.0300000	SF	.0342188	LFr	.6546793
PRA	.9500000	PRB	.9020343	PRC	.9392629	L	.1595421	min	.1185570	max	.2928769
Si	6.269093	SAB	4.137594	Sf	3.224822	K	.0409851	z	.0666673	m	.0600001
n	.1200001	gam	14.900327	b-al	9.870816	the	99.870839	phi	104.90035		

N	6.0000000	w1	.1200000	w2	.0600000	w3	.0300000	SF	.0342188	LFr	.7444782
PRA	.9600000	PRB	.9176341	PRC	.9392629	L	.2248459	min	.1185570	max	.2928769
Si	7.836384	SAB	4.921239	Sf	3.224822	K	.1062889	z	.0340155	m	.0600001
n	.1200001	gam	14.900327	b-al	9.870816	the	99.870839	phi	104.90035		

N	6.0000000	w1	.1200000	w2	.0600000	w3	.0400000	SF	.0385618	LFr	.6680231
PRA	.9300000	PRB	.8995763	PRC	.9283799	L	.1425839	min	.1193395	max	.2736594
Si	5.970573	SAB	3.970242	Sf	3.235893	K	.0232443	z	.0655377	m	.0800001
n	.1200001	gam	14.900327	b-al	11.536921	the	101.53694	phi	104.90035		

N	6.0000000	wl	.1200000	w2	.0600000	w3	.0400000	SF	.0385618	LFr	.7313728
PRA	.9400000	PRB	.9107597	PRC	.9283799	L	.1840458	min	.1193395	max	.2736594
Si	6.965660	SAB	4.467785	Sf	3.235893	K	.0647063	z	.0448067	m	.0800001
n	.1200001	gam	14.900327	b-al	11.536921	the	101.53694	phi	104.90035		
N	6.0000000	wl	.1200000	w2	.0600000	w3	.0400000	SF	.0385618	LFr	.8200636
PRA	.9500000	PRB	.9227966	PRC	.9283799	L	.2420940	min	.1193395	max	.2736594
Si	8.358818	SAB	5.164364	Sf	3.235893	K	.1227545	z	.0157827	m	.0800001
n	.1200001	gam	14.900327	b-al	11.536921	the	101.53694	phi	104.90035		
N	6.0000000	wl	.1200000	w2	.0700000	w3	.0200000	SF	.0411453	LFr	.6828165
PRA	.9700000	PRB	.9058387	PRC	.9222261	L	.1982308	min	.1376239	max	.3118001
Si	6.965648	SAB	4.442217	Sf	3.247829	K	.0606068	z	.0567846	m	.0400000
n	.1400001	gam	16.601296	b-al	8.213082	the	98.213105	phi	106.60132		
N	6.0000000	wl	.1200000	w2	.0700000	w3	.0300000	SF	.0443993	LFr	.6734991
PRA	.9500000	PRB	.8914980	PRC	.9185268	L	.1648083	min	.1387007	max	.2928769
Si	6.269069	SAB	4.074376	Sf	3.255337	K	.0261075	z	.0640343	m	.0600001
n	.1400001	gam	16.601296	b-al	9.870816	the	99.870839	phi	106.60132		
N	6.0000000	wl	.1200000	w2	.0700000	w3	.0300000	SF	.0443993	LFr	.7732763
PRA	.9600000	PRB	.9090004	PRC	.9185268	L	.2301121	min	.1387007	max	.2928769
Si	7.836360	SAB	4.858021	Sf	3.255337	K	.0914114	z	.0313824	m	.0600001
n	.1400001	gam	16.601296	b-al	9.870816	the	99.870839	phi	106.60132		
N	6.0000000	wl	.1200000	w2	.0700000	w3	.0400000	SF	.0487423	LFr	.6849375
PRA	.9298940	PRB	.8810274	PRC	.9490849	L	.1478500	min	.1394832	max	.2736594
Si	5.970550	SAB	3.906394	Sf	3.266408	K	.0083668	z	.0629046	m	.0800001
n	.1400001	gam	16.601296	b-al	11.536921	the	101.53694	phi	106.60132	2-LEVEL THRUST	
N	6.0000000	wl	.1200000	w2	.0700000	w3	.0400000	SF	.0487423	LFr	.7546253
PRA	.9400000	PRB	.8975021	PRC	.9123438	L	.1893139	min	.1394832	max	.2736594
Si	6.965682	SAB	4.404590	Sf	3.266408	K	.0498307	z	.0421727	m	.0800001
n	.1400001	gam	16.601296	b-al	11.536921	the	101.53694	phi	106.60132		
N	6.0000000	wl	.1200000	w2	.0700000	w3	.0400000	SF	.0487423	LFr	.8521824
PRA	.9500000	PRB	.9114981	PRC	.9123438	L	.2473602	min	.1394832	max	.2736594
Si	8.358794	SAB	5.101146	Sf	3.266408	K	.1078770	z	.0131496	m	.0800001
n	.1400001	gam	16.601296	b-al	11.536921	the	101.53694	phi	106.60132		
N	6.0000000	wl	.1200000	w2	.0700000	w3	.0500000	SF	.0550270	LFr	.7605314
PRA	.9200000	PRB	.8952440	PRC	.9017849	L	.1665325	min	.1399646	max	.2541407
Si	6.530293	SAB	4.170247	Sf	3.282182	K	.0265679	z	.0438041	m	.1000001
n	.1400001	gam	16.601296	b-al	13.212954	the	103.21298	phi	106.60132		
N	6.0000000	wl	.1200000	w2	.0700000	w3	.0500000	SF	.0550270	LFr	.8318014
PRA	.9300000	PRB	.9057826	PRC	.9017849	L	.2054043	min	.1399646	max	.2541407
Si	7.463216	SAB	4.636708	Sf	3.282182	K	.0654397	z	.0243682	m	.1000001
n	.1400001	gam	16.601296	b-al	13.212954	the	103.21298	phi	106.60132		
N	6.0000000	wl	.1200000	w2	.0800000	w3	.0200000	SF	.0538693	LFr	.7051268
PRA	.9700000	PRB	.8984180	PRC	.9034836	L	.2037067	min	.1580922	max	.3118001
Si	6.965650	SAB	4.376506	Sf	3.290297	K	.0456146	z	.0540466	m	.0400000
n	.1600002	gam	18.317487	b-al	8.213082	the	98.213105	phi	108.31751		
N	6.0000000	wl	.1200000	w2	.0800000	w3	.0300000	SF	.0571232	LFr	.6913796
PRA	.9500000	PRB	.8788848	PRC	.9360372	L	.1702843	min	.1591690	max	.2928769
Si	6.269071	SAB	4.008666	Sf	3.297804	K	.0111153	z	.0612963	m	.0600001
n	.1600002	gam	18.317487	b-al	9.870816	the	99.870839	phi	108.31751	2-LEVEL THRUST	
N	6.0000000	wl	.1200000	w2	.0800000	w3	.0300000	SF	.0571232	LFr	.8011341
PRA	.9600000	PRB	.9011865	PRC	.9012935	L	.2355881	min	.1591690	max	.2928769
Si	7.836362	SAB	4.792311	Sf	3.297804	K	.0764191	z	.0286444	m	.0600001
n	.1600002	gam	18.317487	b-al	9.870816	the	99.870839	phi	108.31751		

N	6.0000000	wl	.1200000	w2	.0800000	w3	.0400000	SF	.0614662	LFr	.7769661		
PRA	.9400000	PRB	.8865450	PRC	.8977403	L	.1947899	min	.1599515	max	.2736594		
Si	6.965684	SAB	4.338880	Sf	3.308876	K	.0348384	z	.0394347	m	.0800001		
n	.1600002	gam	18.317487	b-al	11.536921	the	101.53694	phi	108.31751				
N	6.0000000	wl	.1200000	w2	.0800000	w3	.0400000	SF	.0614662	LFr	.8833923		
PRA	.9500000	PRB	.9022393	PRC	.8977403	L	.2528362	min	.1599515	max	.2736594		
Si	8.358796	SAB	5.035436	Sf	3.308876	K	.0928847	z	.0104116	m	.0800001		
n	.1600002	gam	18.317487	b-al	11.536921	the	101.53694	phi	108.31751				
N	6.0000000	wl	.1200000	w2	.0900000	w3	.0200000	SF	.0695610	LFr	.7265368		
PRA	.9700000	PRB	.8910471	PRC	.8906269	L	.2094021	min	.1788942	max	.3118001		
Si	6.965649	SAB	4.308162	Sf	3.350597	K	.0305079	z	.0511990	m	.0400000		
n	.1800002	gam	20.050887	b-al	8.213082	the	98.213105	phi	110.05091				
N	6.0000000	wl	.1200000	w2	.0900000	w3	.0300000	SF	.0728140	LFr	.8281202		
PRA	.9600000	PRB	.8937453	PRC	.8894088	L	.2412834	min	.1799710	max	.2928769		
Si	7.836361	SAB	4.723966	Sf	3.358105	K	.0613124	z	.0257967	m	.0600001		
n	.1800002	gam	20.050887	b-al	9.870816	the	99.870839	phi	110.05091				
N	6.0000000	wl	.1400000	w2	.0400000	w3	.0200000	SF	.0166264	LFr	.6076660		
PRA	.9600000	PRB	.9144006	PRC	1.0377749	L	.1158466	min	.0783552	max	.2915749		
Si	5.224242	SAB	3.689419	Sf	3.167627	K	.0374915	z	.0878641	m	.0400000		
n	.0800001	gam	12.246622	b-al	8.714620	the	98.714643	phi	102.24664				
N	6.0000000	wl	.1400000	w2	.0400000	w3	.0200000	SF	.0166264	LFr	.6741839		
PRA	.9700000	PRB	.9307450	PRC	1.0377749	L	.1884060	min	.0783552	max	.2915749		
Si	6.965666	SAB	4.560132	Sf	3.167627	K	.1100508	z	.0515844	m	.0400000		
n	.0800001	gam	12.246622	b-al	8.714620	the	98.714643	phi	102.24664				
N	6.0000000	wl	.1400000	w2	.0500000	w3	.0200000	SF	.0226936	LFr	.6229935		
PRA	.9600000	PRB	.9016985	PRC	1.0056680	L	.1208115	min	.0980144	max	.2915749		
Si	5.224253	SAB	3.629852	Sf	3.178150	K	.0227971	z	.0853816	m	.0400000		
n	.1000001	gam	14.029656	b-al	8.714620	the	98.714643	phi	104.02968				
N	6.0000000	wl	.1400000	w2	.0500000	w3	.0200000	SF	.0226936	LFr	.7005978		
PRA	.9700000	PRB	.9207166	PRC	1.0056680	L	.1933708	min	.0980144	max	.2915749		
Si	6.965677	SAB	4.500565	Sf	3.178150	K	.0953564	z	.0491020	m	.0400000		
n	.1000001	gam	14.029656	b-al	8.714620	the	98.714643	phi	104.02968				
N	6.0000000	wl	.1400000	w2	.0500000	w3	.0300000	SF	.0259056	LFr	.6479817		
PRA	.9400000	PRB	.9007212	PRC	.9933663	L	.1163731	min	.0989945	max	.2725549		
Si	5.224261	SAB	3.610790	Sf	3.183285	K	.0173786	z	.0780909	m	.0600001		
n	.1000001	gam	14.029656	b-al	10.475587	the	100.47561	phi	104.02968				
N	6.0000000	wl	.1400000	w2	.0500000	w3	.0300000	SF	.0259056	LFr	.7011957		
PRA	.9500000	PRB	.9132697	PRC	.9933663	L	.1599083	min	.0989945	max	.2725549		
Si	6.269107	SAB	4.133213	Sf	3.183285	K	.0609138	z	.0563233	m	.0600001		
n	.1000001	gam	14.029656	b-al	10.475587	the	100.47561	phi	104.02968				
N	6.0000000	wl	.1400000	w2	.0500000	w3	.0300000	SF	.0259056	LFr	.7810145		
PRA	.9600000	PRB	.9270924	PRC	.9933663	L	.2252102	min	.0989945	max	.2725549		
Si	7.836352	SAB	4.916836	Sf	3.183285	K	.1262157	z	.0236724	m	.0600001		
n	.1000001	gam	14.029656	b-al	10.475587	the	100.47561	phi	104.02968				
N	6.0000000	wl	.1400000	w2	.0600000	w3	.0200000	SF	.0305395	LFr	.6372309		
PRA	.9600000	PRB	.8883312	PRC	1.0073043	L	.1259766	min	.1179969	max	.2915749		
Si	5.224249	SAB	3.567868	Sf	3.192599	K	.0079797	z	.0827991	m	.0400000		
n	.1200001	gam	15.826319	b-al	8.714620	the	98.714643	phi	105.82634	2-LEVEL THRUST			
N	6.0000000	wl	.1400000	w2	.0600000	w3	.0200000	SF	.0305395	LFr	.7259207		
PRA	.9700000	PRB	.9122177	PRC	.9747185	L	.1985359	min	.1179969	max	.2915749		
Si	6.965674	SAB	4.438580	Sf	3.192599	K	.0805391	z	.0465194	m	.0400000		
n	.1200001	gam	15.826319	b-al	8.714620	the	98.714643	phi	105.82634				

N	6.0000000	w1	.1400000	w2	.0600000	w3	.0300000	SF	.0337515	LFr	.6621790
PRA	.9387608	PRB	.8787943	PRC	1.0272256	L	.1215382	min	.1189769	max	.2725549
Si	5.224258	SAB	3.542332	Sf	3.197734	K	.0025612	z	.0755083	m	.0600001
n	.1200001	gam	15.826319	b-al	10.475587	the	100.47561	phi	105.82634	2-LEVEL THRUST	

N	6.0000000	w1	.1400000	w2	.0600000	w3	.0300000	SF	.0337515	LFr	.7220450
PRA	.9500000	PRB	.9004373	PRC	.9673534	L	.1650734	min	.1189769	max	.2725549
Si	6.269103	SAB	4.071229	Sf	3.197734	K	.0460965	z	.0537407	m	.0600001
n	.1200001	gam	15.826319	b-al	10.475587	the	100.47561	phi	105.82634		

N	6.0000000	w1	.1400000	w2	.0600000	w3	.0300000	SF	.0337515	LFr	.8118410
PRA	.9600000	PRB	.9165078	PRC	.9673534	L	.2303753	min	.1189769	max	.2725549
Si	7.836349	SAB	4.854851	Sf	3.197734	K	.1113984	z	.0210898	m	.0600001
n	.1200001	gam	15.826319	b-al	10.475587	the	100.47561	phi	105.82634		

N	6.0000000	w1	.1400000	w2	.0600000	w3	.0400000	SF	.0380440	LFr	.7364101
PRA	.9300000	PRB	.8978841	PRC	.9546336	L	.1480675	min	.1196416	max	.2532196
Si	5.970581	SAB	3.904446	Sf	3.205232	K	.0284259	z	.0525760	m	.0800001
n	.1200001	gam	15.826319	b-al	12.246622	the	102.24664	phi	105.82634		

N	6.0000000	w1	.1400000	w2	.0600000	w3	.0400000	SF	.0380440	LFr	.7997589
PRA	.9400000	PRB	.9094259	PRC	.9546336	L	.1895294	min	.1196416	max	.2532196
Si	6.965667	SAB	4.401989	Sf	3.205232	K	.0698878	z	.0318451	m	.0800001
n	.1200001	gam	15.826319	b-al	12.246622	the	102.24664	phi	105.82634		

N	6.0000000	w1	.1400000	w2	.0600000	w3	.0400000	SF	.0380440	LFr	.8884506
PRA	.9500000	PRB	.9218004	PRC	.9546336	L	.2475777	min	.1196416	max	.2532196
Si	8.358825	SAB	5.098568	Sf	3.205232	K	.1279361	z	.0028210	m	.0800001
n	.1200001	gam	15.826319	b-al	12.246622	the	102.24664	phi	105.82634		

N	6.0000000	w1	.1400000	w2	.0700000	w3	.0200000	SF	.0404949	LFr	.7502394
PRA	.9700000	PRB	.9043691	PRC	.9465071	L	.2039223	min	.1383266	max	.2915749
Si	6.965677	SAB	4.373947	Sf	3.212058	K	.0655957	z	.0438263	m	.0400000
n	.1400001	gam	17.639436	b-al	8.714620	the	98.714643	phi	107.63946		

N	6.0000000	w1	.1400000	w2	.0700000	w3	.0300000	SF	.0437069	LFr	.7419243
PRA	.9500000	PRB	.8896618	PRC	.9418682	L	.1704579	min	.1393067	max	.2725549
Si	6.269060	SAB	4.006572	Sf	3.217193	K	.0311512	z	.0510485	m	.0600001
n	.1400001	gam	17.639436	b-al	10.475587	the	100.47561	phi	107.63946		

N	6.0000000	w1	.1400000	w2	.0700000	w3	.0300000	SF	.0437069	LFr	.8417015
PRA	.9600000	PRB	.9077124	PRC	.9418682	L	.2357617	min	.1393067	max	.2725549
Si	7.836351	SAB	4.790218	Sf	3.217193	K	.0964550	z	.0183966	m	.0600001
n	.1400001	gam	17.639436	b-al	10.475587	the	100.47561	phi	107.63946		

N	6.0000000	w1	.1400000	w2	.0700000	w3	.0400000	SF	.0479994	LFr	.7544155
PRA	.9300000	PRB	.8816544	PRC	.9525326	L	.1534538	min	.1399713	max	.2532196
Si	5.970583	SAB	3.839812	Sf	3.224692	K	.0134825	z	.0498828	m	.0800001
n	.1400001	gam	17.639436	b-al	12.246622	the	102.24664	phi	107.63946	2-LEVEL THRUST	

N	6.0000000	w1	.1400000	w2	.0700000	w3	.0400000	SF	.0479994	LFr	.8240996
PRA	.9400000	PRB	.8959132	PRC	.9342497	L	.1949158	min	.1399713	max	.2532196
Si	6.965670	SAB	4.337355	Sf	3.224692	K	.0549445	z	.0291519	m	.0800001
n	.1400001	gam	17.639436	b-al	12.246622	the	102.24664	phi	107.63946		

N	6.0000000	w1	.1400000	w2	.0700000	w3	.0400000	SF	.0479994	LFr	.9216566
PRA	.9500000	PRB	.9103160	PRC	.9342497	L	.2529621	min	.1399713	max	.2532196
Si	8.358782	SAB	5.033911	Sf	3.224692	K	.1129908	z	.0001287	m	.0800001
n	.1400001	gam	17.639436	b-al	12.246622	the	102.24664	phi	107.63946		

N	6.0000000	w1	.1400000	w2	.0800000	w3	.0200000	SF	.0528622	LFr	.7736406
PRA	.9700000	PRB	.8967689	PRC	.9217977	L	.2095375	min	.1590059	max	.2915749
Si	6.965702	SAB	4.306589	Sf	3.238153	K	.0505316	z	.0410187	m	.0400000
n	.1600002	gam	19.470994	b-al	8.714620	the	98.714643	phi	109.47102		

N	6.0000000	w1	.1400000	w2	.0800000	w3	.0300000	SF	.0560742	LFr	.7609186
PRA	.9500000	PRB	.8791359	PRC	.9365261	L	.1760731	min	.1599860	max	.2725549
Si	6.269086	SAB	3.939215	Sf	3.243288	K	.0160871	z	.0482409	m	.0600001
n	.1600001	gam	19.470994	b-al	10.475587	the	100.47561	phi	109.47102	2-LEVEL THRUST	
N	6.0000000	w1	.1400000	w2	.0800000	w3	.0300000	SF	.0560742	LFr	.8706732
PRA	.9600000	PRB	.8997335	PRC	.9188160	L	.2413769	min	.1599860	max	.2725549
Si	7.836377	SAB	4.722860	Sf	3.243288	K	.0813909	z	.0155890	m	.0600001
n	.1600001	gam	19.470994	b-al	10.475587	the	100.47561	phi	109.47102		
N	6.0000000	w1	.1600000	w2	.0400000	w3	.0200000	SF	.0168142	LFr	.6689901
PRA	.9600000	PRB	.9128680	PRC	1.0798585	L	.1212559	min	.0786012	max	.2713218
Si	5.224258	SAB	3.624525	Sf	3.159096	K	.0426547	z	.0750329	m	.0400000
n	.0800001	gam	13.050236	b-al	9.281672	the	99.281695	phi	103.05026		
N	6.0000000	w1	.1600000	w2	.0400000	w3	.0200000	SF	.0168142	LFr	.7355070
PRA	.9700000	PRB	.9297452	PRC	1.0798585	L	.1938152	min	.0786012	max	.2713218
Si	6.965683	SAB	4.495237	Sf	3.159096	K	.1152141	z	.0387532	m	.0400000
n	.0800001	gam	13.050236	b-al	9.281672	the	99.281695	phi	103.05026		
N	6.0000000	w1	.1600000	w2	.0500000	w3	.0200000	SF	.0229483	LFr	.6852913
PRA	.9600000	PRB	.8998757	PRC	1.0438872	L	.1263180	min	.0984190	max	.2713218
Si	5.224251	SAB	3.563773	Sf	3.166041	K	.0278990	z	.0725018	m	.0400000
n	.1000001	gam	14.955219	b-al	9.281672	the	99.281695	phi	104.95524		
N	6.0000000	w1	.1600000	w2	.0500000	w3	.0200000	SF	.0229483	LFr	.7628946
PRA	.9700000	PRB	.9195351	PRC	1.0438872	L	.1988773	min	.0984190	max	.2713218
Si	6.965676	SAB	4.434485	Sf	3.166041	K	.1004583	z	.0362222	m	.0400000
n	.1000001	gam	14.955219	b-al	9.281672	the	99.281695	phi	104.95524		
N	6.0000000	w1	.1600000	w2	.0500000	w3	.0300000	SF	.0262041	LFr	.7112475
PRA	.9400000	PRB	.8988857	PRC	1.0300549	L	.1218319	min	.0992878	max	.2521905
Si	5.224218	SAB	3.545241	Sf	3.169486	K	.0225441	z	.0651793	m	.0600001
n	.1000001	gam	14.955219	b-al	11.159840	the	101.15986	phi	104.95524		
N	6.0000000	w1	.1600000	w2	.0500000	w3	.0300000	SF	.0262041	LFr	.7644615
PRA	.9500000	PRB	.9118721	PRC	1.0300549	L	.1653671	min	.0992878	max	.2521905
Si	6.269063	SAB	4.067664	Sf	3.169486	K	.0660794	z	.0434117	m	.0600001
n	.1000001	gam	14.955219	b-al	11.159840	the	101.15986	phi	104.95524		
N	6.0000000	w1	.1600000	w2	.0500000	w3	.0300000	SF	.0262041	LFr	.8442831
PRA	.9600000	PRB	.9261077	PRC	1.0300549	L	.2306709	min	.0992878	max	.2521905
Si	7.836355	SAB	4.851310	Sf	3.169486	K	.1313832	z	.0107598	m	.0600001
n	.1000001	gam	14.955219	b-al	11.159840	the	101.15986	phi	104.95524		
N	6.0000000	w1	.1600000	w2	.0600000	w3	.0200000	SF	.0308733	LFr	.7005444
PRA	.9600000	PRB	.8884163	PRC	1.0211216	L	.1316013	min	.1185874	max	.2713218
Si	5.224261	SAB	3.500383	Sf	3.175481	K	.0130140	z	.0698602	m	.0400000
n	.1200001	gam	16.876945	b-al	9.281672	the	99.281695	phi	106.87697	2-LEVEL THRUST	
N	6.0000000	w1	.1600000	w2	.0600000	w3	.0200000	SF	.0308733	LFr	.7892342
PRA	.9700000	PRB	.9108624	PRC	1.0088868	L	.2041607	min	.1185874	max	.2713218
Si	6.965686	SAB	4.371095	Sf	3.175481	K	.0855733	z	.0335805	m	.0400000
n	.1200001	gam	16.876945	b-al	9.281672	the	99.281695	phi	106.87697		
N	6.0000000	w1	.1600000	w2	.0600000	w3	.0300000	SF	.0341292	LFr	.7264938
PRA	.9400332	PRB	.8807272	PRC	1.0365895	L	.1271153	min	.1194561	max	.2521905
Si	5.224228	SAB	3.482027	Sf	3.178925	K	.0076591	z	.0625376	m	.0600001
n	.1200001	gam	16.876945	b-al	11.159840	the	101.15986	phi	106.87697	2-LEVEL THRUST	
N	6.0000000	w1	.1600000	w2	.0600000	w3	.0300000	SF	.0341292	LFr	.7863588
PRA	.9500000	PRB	.8987725	PRC	1.0044414	L	.1706505	min	.1194561	max	.2521905
Si	6.269074	SAB	4.004274	Sf	3.178925	K	.0511944	z	.0407700	m	.0600001
n	.1200001	gam	16.876945	b-al	11.159840	the	101.15986	phi	106.87697		

N	6.0000000	wl	.1600000	w2	.0600000	w3	.0300000	SF	.0341292	LFr	.8761578
PRA	.9600000	PRB	.9153405	PRC	1.0004414	L	.2359543	min	.1194561	max	.2521905
Si	7.836365	SAB	4.787920	Sf	3.178925	K	.1164982	z	.0081181	m	.0600001
n	.1200001	gam	16.876945	b-al	11.159840	the	101.15986	phi	106.87697		
N	6.0000000	wl	.1600000	w2	.0600000	w3	.0400000	SF	.0384894	LFr	.7542620
PRA	.9175379	PRB	.8793126	PRC	1.0489017	L	.1224938	min	.1199861	max	.2327205
Si	5.224216	SAB	3.452107	Sf	3.183921	K	.0025076	z	.0551133	m	.0800001
n	.1200001	gam	16.876945	b-al	13.050236	the	103.05026	phi	106.87697	2-LEVEL THRUST	
N	6.0000000	wl	.1600000	w2	.0600000	w3	.0400000	SF	.0384894	LFr	.8017759
PRA	.9300000	PRB	.8961198	PRC	.9860114	L	.1535912	min	.1199861	max	.2327205
Si	5.970554	SAB	3.838135	Sf	3.183921	K	.0336050	z	.0395646	m	.0800001
n	.1200001	gam	16.876945	b-al	13.050236	the	103.05026	phi	106.87697		
N	6.0000000	wl	.1600000	w2	.0600000	w3	.0400000	SF	.0384894	LFr	.8651247
PRA	.9400000	PRB	.9080407	PRC	.9860114	L	.1950531	min	.1199861	max	.2327205
Si	6.965640	SAB	4.335678	Sf	3.183921	K	.0750670	z	.0188337	m	.0800001
n	.1200001	gam	16.876945	b-al	13.050236	the	103.05026	phi	106.87697		
N	6.0000000	wl	.1600000	w2	.0700000	w3	.0200000	SF	.0409126	LFr	.8146238
PRA	.9700000	PRB	.9028326	PRC	.9764410	L	.2096844	min	.1391306	max	.2713218
Si	6.965658	SAB	4.304783	Sf	3.188012	K	.0705538	z	.0308187	m	.0400000
n	.1400001	gam	18.818803	b-al	9.281672	the	99.281695	phi	108.81882		
N	6.0000000	wl	.1600000	w2	.0700000	w3	.0300000	SF	.0441685	LFr	.8073416
PRA	.9500000	PRB	.8877401	PRC	.9709731	L	.1761761	min	.1399994	max	.2521905
Si	6.269091	SAB	3.937984	Sf	3.191456	K	.0361767	z	.0380072	m	.0600001
n	.1400001	gam	18.818803	b-al	11.159840	the	101.15986	phi	108.81882		
N	6.0000000	wl	.1600000	w2	.0700000	w3	.0300000	SF	.0441685	LFr	.9071188
PRA	.9600000	PRB	.9063718	PRC	.9709731	L	.2414799	min	.1399994	max	.2521905
Si	7.836382	SAB	4.721630	Sf	3.191456	K	.1014805	z	.0053553	m	.0600001
n	.1400001	gam	18.818803	b-al	11.159840	the	101.15986	phi	108.81882		
N	6.0000000	wl	.1800000	w2	.0400000	w3	.0200000	SF	.0173683	LFr	.6872873
PRA	.9499544	PRB	.8936280	PRC	1.1617007	L	.0831585	min	.0788846	max	.2510347
Si	4.179405	SAB	3.036650	Sf	3.152433	K	.0042739	z	.0839381	m	.0400000
n	.0800001	gam	13.967897	b-al	9.928032	the	99.928055	phi	103.96792	2-LEVEL THRUST	
N	6.0000000	wl	.1800000	w2	.0400000	w3	.0200000	SF	.0173683	LFr	.7271977
PRA	.9600000	PRB	.9112703	PRC	1.1265296	L	.1266937	min	.0788846	max	.2510347
Si	5.224251	SAB	3.559263	Sf	3.152433	K	.0478092	z	.0621705	m	.0400000
n	.0800001	gam	13.967897	b-al	9.928032	the	99.928055	phi	103.96792		
N	6.0000000	wl	.1800000	w2	.0400000	w3	.0200000	SF	.0173683	LFr	.7937155
PRA	.9700000	PRB	.9287102	PRC	1.1265296	L	.1992531	min	.0788846	max	.2510347
Si	6.965675	SAB	4.429976	Sf	3.152433	K	.1203685	z	.0258908	m	.0400000
n	.0800001	gam	13.967897	b-al	9.928032	the	99.928055	phi	103.96792		
N	6.0000000	wl	.1800000	w2	.0500000	w3	.0200000	SF	.0237103	LFr	.7444983
PRA	.9600000	PRB	.8979677	PRC	1.0865391	L	.1318703	min	.0988860	max	.2510347
Si	5.224233	SAB	3.497127	Sf	3.156685	K	.0329843	z	.0595822	m	.0400000
n	.1000001	gam	16.013382	b-al	9.928032	the	99.928055	phi	106.01341		
N	6.0000000	wl	.1800000	w2	.0500000	w3	.0200000	SF	.0237103	LFr	.8221026
PRA	.9700000	PRB	.9183075	PRC	1.0865391	L	.2044296	min	.0988860	max	.2510347
Si	6.965658	SAB	4.367840	Sf	3.156685	K	.1055436	z	.0233025	m	.0400000
n	.1000001	gam	16.013382	b-al	9.928032	the	99.928055	phi	106.01341		
N	6.0000000	wl	.1800000	w2	.0500000	w3	.0300000	SF	.0270767	LFr	.7714615
PRA	.9400000	PRB	.8969679	PRC	1.0711298	L	.1273346	min	.0996268	max	.2317755
Si	5.224260	SAB	3.479251	Sf	3.158818	K	.0277078	z	.0522204	m	.0600001
n	.1000001	gam	16.013382	b-al	11.940427	the	101.94045	phi	106.01341		

N	6.0000000	w1	.1800000	w2	.0500000	w3	.0300000	SF	.0270767	LFr	.8246746
PRA	.9500000	PRB	.9104188	PRC	1.0711298	L	.1708698	min	.0996268	max	.2317755
Si	6.269106	SAB	4.001674	Sf	3.158818	K	.0712431	z	.0304528	m	.0600001
n	.1000001	gam	16.013382	b-al	11.940427	the	101.94045	phi	106.01341		

N	6.0000000	w1	.1800000	w2	.0600000	w3	.0200000	SF	.0319138	LFr	.7608061
PRA	.9600000	PRB	.8864744	PRC	1.0474748	L	.1372910	min	.1192689	max	.2510347
Si	5.224234	SAB	3.432080	Sf	3.162441	K	.0180221	z	.0568718	m	.0400000
n	.1200001	gam	18.079681	b-al	9.928032	the	99.928055	phi	108.07970		

N	6.0000000	w1	.1800000	w2	.0600000	w3	.0200000	SF	.0319138	LFr	.8494968
PRA	.9700000	PRB	.9094474	PRC	1.0474748	L	.2098503	min	.1192689	max	.2510347
Si	6.965659	SAB	4.302792	Sf	3.162441	K	.0905815	z	.0205922	m	.0400000
n	.1200001	gam	18.079681	b-al	9.928032	the	99.928055	phi	108.07970		

N	6.0000000	w1	.2000000	w2	.0400000	w3	.0200000	SF	.0182991	LFr	.7424002
PRA	.9500000	PRB	.8936631	PRC	1.1851465	L	.0886326	min	.0792121	max	.2307039
Si	4.179391	SAB	2.971138	Sf	3.146796	K	.0094206	z	.0710356	m	.0400000
n	.0800001	gam	15.026039	b-al	10.671771	the	100.67179	phi	105.02606	2-LEVEL THRUST	

N	6.0000000	w1	.2000000	w2	.0400000	w3	.0200000	SF	.0182991	LFr	.7823105
PRA	.9600000	PRB	.9096017	PRC	1.1781805	L	.1321678	min	.0792121	max	.2307039
Si	5.224237	SAB	3.493560	Sf	3.146796	K	.0529558	z	.0492680	m	.0400000
n	.0800001	gam	15.026039	b-al	10.671771	the	100.67179	phi	105.02606		

N	6.0000000	w1	.2000000	w2	.0400000	w3	.0200000	SF	.0182991	LFr	.8488283
PRA	.9700000	PRB	.9276370	PRC	1.1781805	L	.2047272	min	.0792121	max	.2307039
Si	6.965661	SAB	4.364273	Sf	3.146796	K	.1255151	z	.0129883	m	.0400000
n	.0800001	gam	15.026039	b-al	10.671771	the	100.67179	phi	105.02606		

N	6.0000000	w1	.2000000	w2	.0500000	w3	.0200000	SF	.0249939	LFr	.8006525
PRA	.9600000	PRB	.8959652	PRC	1.1338476	L	.1374817	min	.0994274	max	.2307039
Si	5.224257	SAB	3.429814	Sf	3.148822	K	.0380543	z	.0466111	m	.0400000
n	.1000001	gam	17.235267	b-al	10.671771	the	100.67179	phi	107.23529		

N	6.0000000	w1	.2000000	w2	.0500000	w3	.0200000	SF	.0249939	LFr	.8782559
PRA	.9700000	PRB	.9170288	PRC	1.1338476	L	.2100411	min	.0994274	max	.2307039
Si	6.965681	SAB	4.300526	Sf	3.148822	K	.1106137	z	.0103314	m	.0400000
n	.1000001	gam	17.235267	b-al	10.671771	the	100.67179	phi	107.23529		

N	6.0000000	w1	.2200000	w2	.0400000	w3	.0200000	SF	.0196610	LFr	.7944527
PRA	.9500000	PRB	.8912816	PRC	1.2354141	L	.0941563	min	.0795978	max	.2103199
Si	4.179399	SAB	2.904862	Sf	3.141614	K	.0145585	z	.0580818	m	.0400000
n	.0800001	gam	16.260141	b-al	11.536790	the	101.53681	phi	106.26016		

N	6.0000000	w1	.2200000	w2	.0400000	w3	.0200000	SF	.0196610	LFr	.8343630
PRA	.9600000	PRB	.9078536	PRC	1.2354141	L	.1376915	min	.0795978	max	.2103199
Si	5.224245	SAB	3.427284	Sf	3.141614	K	.0580937	z	.0363142	m	.0400000
n	.0800001	gam	16.260141	b-al	11.536790	the	101.53681	phi	106.26016		

N	6.0000000	w1	.2200000	w2	.0400000	w3	.0200000	SF	.0196610	LFr	.9008799
PRA	.9700000	PRB	.9265211	PRC	1.2354141	L	.2102509	min	.0795978	max	.2103199
Si	6.965669	SAB	4.297997	Sf	3.141614	K	.1306531	z	.0000345	m	.0400000
n	.0800001	gam	16.260141	b-al	11.536790	the	101.53681	phi	106.26016		

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